

State of California  
The Resources Agency

DEPARTMENT OF WATER RESOURCES  
Division of Operations and Maintenance

# STATE WATER PROJECT OPERATIONS DATA

For the month of:  
**October 2000**

**Gray Davis**  
Governor  
State of California

**Mary D. Nichols**  
Secretary for Resources  
The Resources Agency

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Director  
Department of Water Resource

State of California  
Resources Agency

**Department of Water Resources  
Division of Operations and Maintenance**

**State Water Project  
Operations Data**

for the Month of October 2000

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## **MONTHLY HIGHLIGHTS**

The following highlights are activities or actions that impacted State Water Project operations during the month of October 2000.

Statewide precipitation and runoff in October was 190 percent of average, with amounts a few inches more than normal at most stations. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: [http://cdec.water.ca.gov/snow\\_rain.html](http://cdec.water.ca.gov/snow_rain.html). Most snow sensors reported several inches of water content. Statewide runoff was 90 percent of average in this first month of the new water year. Precipitation was highest and runoff was above average in central coast and central Sierra basins. Reservoir storage at the end of October was 115 percent of average statewide, with most reservoirs at or below their winter flood control requirements.

Total storage in the major SWP reservoirs was about 2.87 MAF on October 31, 2000, compared with 3.5 MAF at this time in 1999. The average storage in the major SWP reservoirs at the end of October is about 3.38 MAF. The October 31 storage at Lake Oroville was about 1.83 MAF as compared to about 2.29 MAF last year. The State's share of San Luis Reservoir storage was about 421,304 AF, as compared with about 574 TAF at this time last year. The combined storage of our southern reservoirs was about 614,665 AF on October 31 as compared with 633,550 AF at this same time last year.

SWP water deliveries for 2000 through October were about 3.02 MAF. This is a combination of project, transfer, and exchange waters. This is about 512,400 AF more than that delivered during the same period in 1999.

The first three weeks of October were marked by the Delta Cross Channel experiment. This involved operating the DCC gates tidally, closing them for the ebb tide, opening them for the flood tide while monitoring fish movement and salinity conditions. The third part of the experiment began October 20 and originally involved the complete closure of the DCC for three weeks. But with growing concerns for the degradation of water quality, the "closed" component was changed to 1/2 time tidally operated (or closed 75 percent of the time.) It was thought that this might help refine the analysis of the effect of gate operations, salinity control, and fish movement while still providing some water quality benefits.

On October 26, the Data Assessment Team along with the Operations Fisheries & Facilities Group held a joint conference call to assess the viability of "relaxing" the Export/Inflow ratio in order to divert water to credit the Environmental Water Account. The fishery agencies agreed, and DWR/USBR sent notice to the SWRCB of the Projects' intent to exceed the 65 percent E/I ratio standard. The first water credited to the EWA from the "relaxed" E/I ratio came on October 31.

Pine Flat Powerplant was unavailable for generation at 0800 on October 16 due to downstream water demands. The demands were less than the plant minimums.

Drawdown of Pyramid Lake began during the second week of October for a scheduled boat ramp installation by the Department of Boating and Waterways. Initial drawdown was completed on October 15, 2000. Original construction period was October 16 to October 17, 2000 but due to construction difficulties was extended to October 20, 2000. Refill of Pyramid Reservoir was initiated after construction clearances were released, and was anticipated to be complete in November 2000.

Banks Pumping Plant was forced out of service on October 2, 2000 due to lightening protection wire falling across all 3 phases of the Contra-Tesla 230 Kv line. PG&E made temporary repairs and the plant was made available.

Inspection of the North Bay Aqueduct began on October 29.

**Table 1. Antelope Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

**October 2000**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Sep 30	4995.85	17,252								
1	4995.80	17,213	-39	20	0	0	0	0		
2	4995.73	17,157	-56	20	0	0	0	0		
3	4995.67	17,109	-48	20	0	0	0	0		
4	4995.61	17,062	-47	20	0	0	0	0		
5	4995.55	17,015	-47	20	0	0	0	0		
6	4995.50	16,975	-40	20	0	0	0	0		
7	4995.44	16,928	-47	20	0	0	0	0		
8	4995.37	16,873	-55	20	0	0	0	0		
9	4995.36	16,865	-8	20	0	0	0	0		
10	4995.32	16,834	-31	20	0	0	0	0		
11	4995.29	16,810	-24	20	0	0	0	0		
12	4995.22	16,755	-55	20	0	0	0	0		
13	4995.18	16,724	-31	20	0	0	0	0		
14	4995.13	16,685	-39	20	0	0	0	0		
15	4995.08	16,646	-39	20	0	0	0	0		
16	4995.03	16,607	-39	20	0	0	0	0		
17	4994.98	16,568	-39	20	0	0	0	0		
18	4994.92	16,522	-46	20	0	0	0	0		
19	4994.87	16,483	-39	20	0	0	0	0		
20	4994.85	16,468	-15	20	0	0	0	0		
21	4994.77	16,406	-62	20	0	0	0	0		
22	4994.71	16,360	-46	20	0	0	0	0		
23	4994.67	16,329	-31	20	0	0	0	0		
24	4994.64	16,306	-23	20	0	0	0	0		
25	4994.57	16,252	-54	20	0	0	0	0		
26	4994.51	16,206	-46	20	0	0	0	0		
27	4994.47	16,175	-31	20	0	0	0	0		
28	4994.47	16,175	0	20	0	0	0	0		
29	4994.43	16,145	-30	20	0	0	0	0		
30	4994.41	16,129	-16	20	0	0	0	0		
31	4994.34	16,076	-53	20	0	0	0	0		
Total cfs-days				---	620	0	0	117	737	145
Total ac-ft				-1,176	1,230	0	0	233	1,463	287

1/ Values not available on a daily basis.

**Table 2. Frenchman Lake**

## Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

**October 2000**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/	Total Outflow 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Sep 30	5577.80	40,776									
1	5577.75	40,711	-65	0	9	0	0				
2	5577.72	40,671	-40	0	8	0	0				
3	5577.68	40,619	-52	0	7	0	0				
4	5577.67	40,606	-13	0	7	0	0				
5	5577.72	40,671	65	0	7	0	0				
6	5577.64	40,567	-104	0	6	0	0				
7	5577.64	40,567	0	0	5	0	0				
8	5577.62	40,541	-26	0	5	0	0				
9	5577.59	40,502	-39	0	5	0	0				
10	5577.62	40,541	39	0	4	0	0				
11	5577.59	40,502	-39	0	3	0	0				
12	5577.63	40,554	52	0	3	0	0				
13	5577.59	40,502	-52	0	4	0	0				
14	5577.61	40,528	26	0	5	0	0				
15	5577.57	40,476	-52	0	5	0	0				
16	5577.57	40,476	0	0	4	0	0				
17	5577.57	40,476	0	0	4	0	0				
18	5577.56	40,463	-13	0	4	0	0				
19	5577.55	40,450	-13	0	4	0	0				
20	5577.57	40,476	26	1	2	0	0				
21	5577.52	40,411	-65	2	0	0	0				
22	5577.52	40,411	0	2	0	0	0				
23	5577.49	40,372	-39	2	0	0	0				
24	5577.54	40,437	65	2	0	0	0				
25	5577.48	40,359	-78	2	0	0	0				
26	5577.51	40,398	39	2	0	0	0				
27	5577.46	40,333	-65	2	0	0	0				
28	5577.50	40,385	52	2	0	0	0				
29	5577.55	40,450	65	2	0	0	0				
30	5577.51	40,398	-52	2	0	0	0				
31	5577.54	40,437	39	2	0	0	0				
Total cfs-days				- - -	23	101	0	0	184	308	
Total ac-ft				-339	46	200	0	0	365	611	
										272	

1/ Values not available on a daily basis.

**Table 3. Lake Davis**

Daily Operation

(in acre-feet except as noted)

Capacity: 84,371 ac-ft

**October 2000**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/	Total Outflow 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Sep 30	5768.29	59,668									
1	5768.28	59,635	-33	15	0	0	0	0	0		
2	5768.25	59,535	-100	15	0	0	0	0	0		
3	5768.22	59,435	-100	15	0	0	0	0	0		
4	5768.20	59,368	-67	15	0	0	0	0	0		
5	5768.18	59,302	-66	15	0	0	0	0	0		
6	5768.17	59,269	-33	15	0	0	0	0	0		
7	5768.15	59,202	-67	15	0	0	0	0	0		
8	5768.13	59,135	-67	15	0	0	0	0	0		
9	5768.09	59,003	-132	15	0	0	0	0	0		
10	5768.09	59,003	0	15	0	0	0	0	0		
11	5768.08	58,970	-33	15	0	0	0	0	0		
12	5768.08	58,970	0	15	0	0	0	0	0		
13	5768.07	58,937	-33	15	0	0	0	0	0		
14	5768.05	58,871	-66	15	0	0	0	0	0		
15	5768.05	58,871	0	15	0	0	0	0	0		
16	5768.02	58,772	-99	15	0	0	0	0	0		
17	5767.98	58,640	-132	15	0	0	0	0	0		
18	5767.96	58,574	-66	15	0	0	0	0	0		
19	5767.94	58,508	-66	15	0	0	0	0	0		
20	5767.92	58,442	-66	15	0	0	0	0	0		
21	5767.89	58,343	-99	15	0	0	0	0	0		
22	5767.89	58,343	0	15	0	0	0	0	0		
23	5767.83	58,145	-198	15	0	0	0	0	0		
24	5767.83	58,145	0	15	0	0	0	0	0		
25	5767.80	58,048	-97	15	0	0	0	0	0		
26	5767.79	58,015	-33	15	0	0	0	0	0		
27	5767.78	57,982	-33	15	0	0	0	0	0		
28	5767.82	58,113	131	15	0	0	0	0	0		
29	5767.82	58,113	0	15	0	0	0	0	0		
30	5767.83	58,145	32	15	0	0	0	0	0		
31	5767.83	58,145	0	15	0	0	0	0	0		
Total cfs-days				- - -	465	0	0	0	466	931	164
Total ac-ft				-1,523	922	0	0	0	925	1,847	324

1/ Values not available on a daily basis.

**Table 4. Lake Oroville**

Daily Operation  
(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

**October 2000**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow					Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal	Evaporation 2/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 3/
Sep 30	774.75	1,919,813								
1	775.16	1,924,024	4,211	1,534	36	191	0	1,761	0	5,972
2	774.62	1,918,480	-5,544	10,338	36	199	0	10,573	375	4,654
3	774.31	1,915,302	-3,178	10,982	36	221	0	11,239	2,565	5,496
4	774.08	1,912,946	-2,356	11,455	36	147	0	11,638	2,584	6,698
5	773.75	1,909,571	-3,375	10,845	36	139	0	11,020	2,573	5,072
6	773.14	1,903,342	-6,229	12,592	36	198	0	12,826	2,240	4,357
7	772.83	1,900,183	-3,159	7,227	36	146	0	7,409	0	4,250
8	773.30	1,904,975	4,792	196	36	131	0	363	0	5,155
9	772.90	1,900,896	-4,079	10,068	36	117	0	10,221	1,798	4,344
10	772.44	1,896,213	-4,683	11,438	27	109	0	11,574	2,259	4,632
11	772.02	1,891,945	-4,268	10,625	17	0	0	10,642	930	5,444
12	771.76	1,889,306	-2,639	11,347	10	51	0	11,408	2,473	6,296
13	771.36	1,885,252	-4,054	10,257	12	65	0	10,334	2,250	4,030
14	771.28	1,884,442	-810	6,641	14	145	0	6,800	0	5,990
15	771.61	1,887,785	3,343	1,696	14	94	0	1,804	0	5,147
16	770.96	1,881,204	-6,581	13,798	14	102	0	13,914	2,417	4,916
17	770.09	1,872,422	-8,782	14,313	14	159	0	14,486	2,265	3,439
18	769.40	1,865,472	-6,950	15,520	14	188	0	15,722	2,510	6,262
19	768.87	1,860,150	-5,322	13,094	14	159	0	13,267	2,640	5,305
20	768.24	1,853,837	-6,313	10,029	14	144	0	10,187	2,250	1,624
21	767.75	1,848,938	-4,899	7,208	14	36	0	7,258	408	1,951
22	768.56	1,857,042	8,104	1,097	12	222	0	1,331	7,475	1,960
23	767.83	1,849,738	-7,304	12,774	3	244	0	13,021	2,621	3,096
24	767.16	1,843,052	-6,686	13,270	2	143	0	13,415	2,678	4,051
25	766.83	1,839,766	-3,286	11,559	2	100	0	11,661	2,509	5,866
26	766.54	1,836,881	-2,885	9,375	2	14	0	9,391	2,566	3,940
27	765.98	1,831,320	-5,561	13,953	5	7	0	13,965	2,268	6,136
28	765.96	1,831,121	-199	8,469	8	36	0	8,513	2,274	6,040
29	767.39	1,845,345	14,224	1,331	8	37	0	1,376	7,211	8,389
30	766.72	1,838,671	-6,674	14,885	7	50	0	14,942	2,290	5,978
31	766.33	1,834,794	-3,877	11,211	5	7	0	11,223	2,295	5,051
<b>Total</b>		-85,019	299,127	556	3,601	0	303,284	66,724	151,541	

1/ Includes bypass flows

2/ Evaporation will be zero for days when there is precipitation or heavy overcast.

3/ Does not include pumpback.

**Table 5. Thermalito Forebay  
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

**October 2000**

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Sep 30	24,151										
1	23,706	-445	1,534	0	0	747	0	5	1,238	0	11
2	23,418	-288	10,338	0	263	9,387	0	5	1,234	375	112
3	23,620	202	10,982	0	1,841	8,978	0	5	1,240	2,565	167
4	23,890	270	11,455	0	2,104	9,623	0	5	1,252	2,584	175
5	23,712	-178	10,845	2	1,859	9,362	0	5	1,244	2,573	300
6	22,837	-875	12,592	52	1,604	11,805	0	5	1,244	2,240	171
7	24,362	1,525	7,227	492	0	4,995	0	5	1,244	0	50
8	23,519	-843	196	496	0	253	0	5	1,257	0	-20
9	23,062	-457	10,068	500	1,294	9,887	0	5	1,252	1,798	623
10	23,041	-21	11,438	501	1,590	11,009	0	5	1,260	2,259	983
11	24,362	1,321	10,625	501	1,077	8,913	0	5	1,249	930	215
12	23,371	-991	11,347	501	1,755	11,089	0	5	1,239	2,473	212
13	23,726	355	10,257	510	1,607	8,681	0	5	1,252	2,250	169
14	23,645	-81	6,641	504	0	6,077	0	5	1,251	0	107
15	24,456	811	1,696	498	0	0	0	5	1,247	0	-131
16	23,206	-1,250	13,798	504	1,791	13,901	0	6	1,243	2,417	224
17	22,929	-277	14,313	506	1,621	13,651	0	6	1,242	2,265	447
18	23,138	209	15,520	501	2,168	14,457	0	6	1,250	2,510	243
19	23,864	726	13,094	488	2,789	11,961	0	6	1,241	2,640	203
20	23,647	-217	10,029	518	2,212	9,687	0	6	1,255	2,250	222
21	24,258	611	7,208	506	555	6,020	0	6	1,253	408	29
22	23,860	-398	1,097	510	7,998	1,425	0	6	1,247	7,475	150
23	23,540	-320	12,774	498	3,422	13,298	0	6	1,249	2,621	160
24	23,624	84	13,270	506	2,707	12,699	0	6	1,255	2,678	239
25	23,472	-152	11,559	504	2,707	11,318	0	6	1,261	2,509	172
26	23,922	450	9,375	506	3,018	8,813	0	6	1,257	2,566	193
27	23,642	-280	13,953	506	2,443	13,796	0	6	1,249	2,268	137
28	23,661	19	8,469	526	2,206	7,991	0	6	1,261	2,274	350
29	23,378	-283	1,331	498	7,851	1,596	0	6	1,255	7,211	105
30	23,192	-186	14,885	526	2,399	14,674	0	6	1,257	2,290	231
31	23,661	469	11,211	0	3,260	11,190	1	6	1,253	2,295	743
Total		-490	299,127	12,160	64,141	277,283	1	171	38,731	66,724	6,992

1/ Sum of Thermalito Forebay and Diversion Pool.

3/ Includes Bypass flows at Thermalito.

2/ Sum of releases from Lake Oroville through Hyatt plant, spill, and spillway leakage.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

**Table 6. Thermalito Afterbay**

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

**October 2000**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Sep 30	129.85	31,655										
1	128.12	26,191	-5,464	747	1,123	0	81	540	4,522	0	55	5,760
2	128.95	28,751	2,560	9,387	1,119	0	83	631	4,522	263	-209	5,756
3	129.10	29,226	475	8,978	1,119	0	135	718	4,522	1,841	-168	5,762
4	129.35	30,025	799	9,623	1,123	0	210	787	4,522	2,104	-78	5,774
5	129.48	30,445	420	9,362	1,123	0	309	865	4,522	1,859	-264	5,766
6	130.37	33,392	2,947	11,805	1,121	0	371	946	4,522	1,604	-294	5,766
7	129.76	31,358	-2,034	4,995	1,135	0	385	988	4,522	0	1	5,766
8	127.62	24,704	-6,654	253	1,204	0	383	984	4,522	0	186	5,779
9	128.04	25,951	1,247	9,887	1,277	0	432	986	4,522	1,294	-129	5,774
10	128.63	27,751	1,800	11,009	1,327	0	526	986	4,542	1,590	-238	5,802
11	128.75	28,124	373	8,913	1,289	0	555	986	4,542	1,077	-91	5,791
12	129.31	29,897	1,773	11,089	1,263	0	553	986	4,542	1,755	-217	5,781
13	129.30	29,865	-32	8,681	1,202	0	514	1,016	4,106	1,607	-268	5,358
14	129.21	29,577	-288	6,077	1,172	0	496	1,035	3,669	0	7	4,920
15	127.30	23,774	-5,803	0	1,172	0	492	1,008	3,352	0	221	4,599
16	129.17	29,449	5,675	13,901	1,152	0	496	986	3,352	1,791	-449	4,595
17	130.90	35,208	5,759	13,651	1,144	0	508	986	3,352	1,621	-281	4,594
18	132.57	41,222	6,014	14,457	1,188	0	514	988	3,352	2,168	-233	4,602
19	133.36	44,220	2,998	11,961	1,190	0	536	988	3,352	2,789	-108	4,593
20	133.60	45,151	931	9,687	1,172	0	543	1,018	3,352	2,212	-459	4,607
21	133.37	44,259	-892	6,020	1,156	0	543	1,034	3,352	555	-272	4,605
22	129.79	31,457	-12,802	1,425	1,148	0	541	1,034	3,372	7,998	-134	4,619
23	130.86	35,069	3,612	13,298	1,178	0	543	1,036	3,352	3,422	-155	4,601
24	131.91	38,792	3,723	12,699	1,188	14	545	1,089	3,352	2,707	-81	4,607
25	132.47	40,850	2,058	11,318	1,192	33	587	1,263	3,372	2,707	-106	4,633
26	132.34	40,368	-482	8,813	1,158	38	603	1,144	3,372	3,018	38	4,629
27	133.66	45,384	5,016	13,796	1,083	38	603	1,069	3,372	2,443	-172	4,621
28	133.62	45,228	-156	7,991	1,077	38	605	1,087	3,372	2,206	238	4,633
29	130.12	32,551	-12,677	1,596	1,071	38	603	1,025	3,372	7,851	-313	4,627
30	131.89	38,720	6,169	14,674	869	38	605	962	3,372	2,399	-260	4,629
31	132.41	40,627	1,907	11,190	935	38	580	889	3,372	3,260	-209	4,625
Total		8,972		277,283	35,670	275	14,480	30,060	119,243	64,141	-4,442	157,974

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

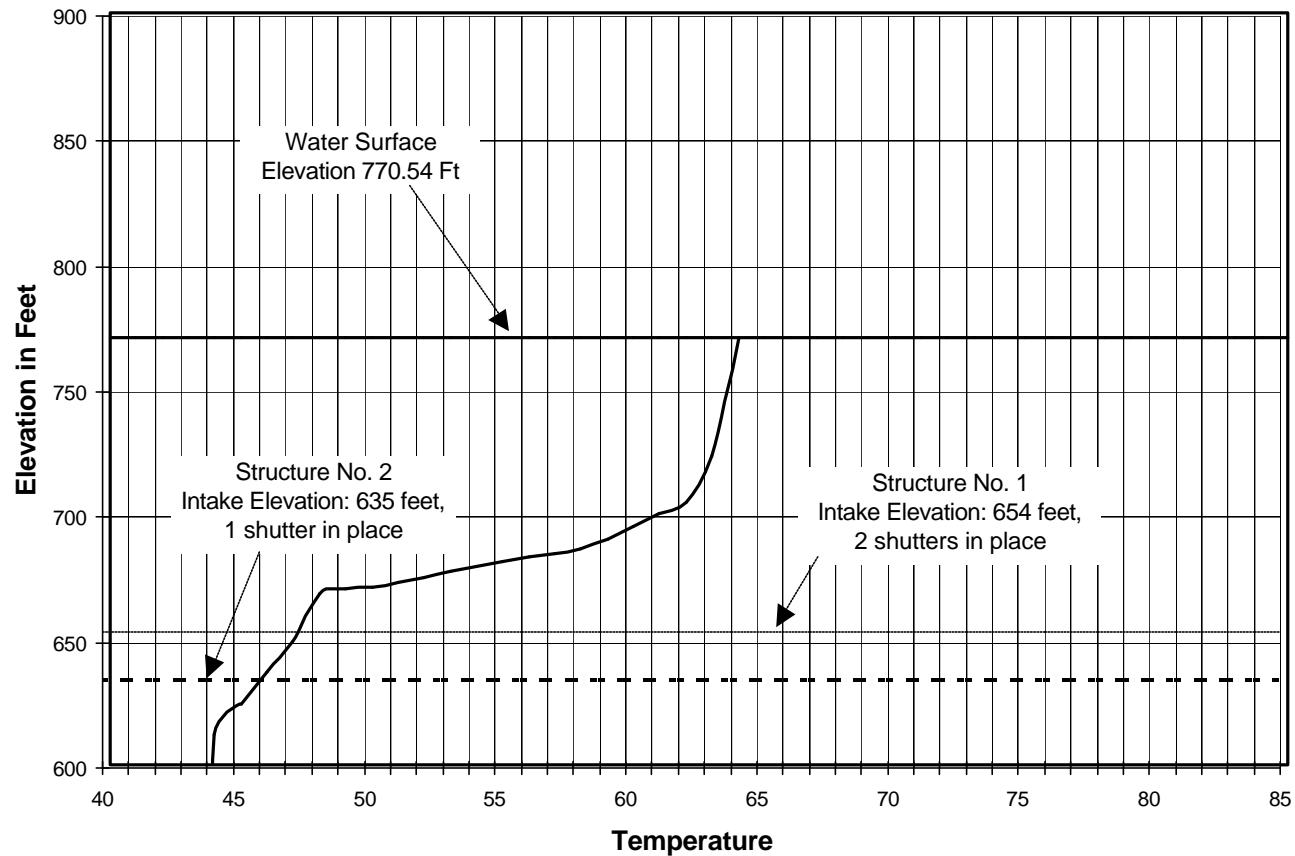
**Table 7. Oroville-Thermalito Complex**

Water Temperature Data

(in degrees Fahrenheit)

**October 2000**

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	61	50
2	60	50
3	60	50
4	59	51
5	59	51
6	59	50
7	57	51
8	58	51
9	57	51
10	56	51
11	55	50
12	54	50
13	54	51
14	54	51
15	55	51
16	56	52
17	55	52
18	55	53
19	55	53
20	55	53
21	54	51
22	54	52
23	53	52
24	53	51
25	53	50
26	53	51
27	53	51
28	53	51
29	53	51
30	52	51
31	52	51

**Lake Oroville Temperature Profile  
on October 17, 2000**

Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

**Table 8. North Bay Aqueduct**  
Delta Field Division, Monthly Deliveries

(In acre-feet)

**October 2000**

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries			
	Beginning and Ending				Entitlement		Ex-change	
	No.	Structure	Mile		M & I	Benicia		
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	4,243			
		Travis Surge Tank	8.78					
			8.80	Solano County Water Agency Travis Turnout	241	241		
2	1		10.54	Solano County Water Agency Fairfield / Vacaville 24"	769	769		
				Solano County Water Agency Fairfield / Vacaville 42"	198	198		
3A	3A	Cordelia Forebay	21.23					
		Cordelia Pumping Plant & Cordelia Spillway	21.30		2,890	1,709		
3B	2		21.33	Solano County Water Agency Vallejo	1,709			
				Solano County Water Agency Benicia	1,013	1,013		
		Cordelia Surge Tank	23.33	Napa Pipeline				
		Creston Surge Tank Connection	25.65	Napa Pipeline				
			26.95	Napa County Flood Control & WCD American Canyon 2	2	2		
			27.27	Napa County Flood Control & WCD American Canyon 3	0			
		Napa Terminal Tank	27.58	City of Napa	4	4		
			27.60	Napa County Flood Control & WCD American Canyon 1	167	167		

**Table 9. Delta Field Division Plant Data**

(in acre-feet)

**October 2000**

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	243	139	11,949	11,949	174	0	0	163
2	218	122	8,050	8,050	173	0	0	189
3	188	106	10,010	10,010	218	0	0	189
4	222	129	10,138	10,138	244	0	0	189
5	212	124	9,823	9,823	258	0	0	189
6	205	122	9,124	9,124	246	0	0	189
7	207	121	9,106	9,106	244	0	0	189
8	201	116	7,918	7,918	234	0	0	189
9	167	84	6,529	6,529	232	0	0	189
10	182	92	8,341	8,341	167	0	0	189
11	168	84	7,546	7,546	166	0	0	189
12	168	96	9,261	9,261	164	0	0	189
13	153	89	11,502	11,502	174	0	0	189
14	127	75	9,587	9,587	170	0	0	189
15	133	81	9,651	9,651	167	0	0	189
16	170	109	11,478	10,417	194	0	0	189
17	139	91	9,862	8,801	212	0	0	189
18	127	112	10,459	9,398	211	0	0	189
19	89	81	9,734	8,673	199	0	0	189
20	95	91	10,626	9,569	198	0	0	189
21	124	116	10,534	9,477	194	0	0	189
22	68	66	10,453	9,396	188	0	0	189
23	121	125	10,484	9,427	203	0	0	189
24	133	140	10,308	9,251	207	0	0	189
25	91	92	8,618	7,561	230	0	0	189
26	64	57	8,735	5,988	184	0	0	189
27	80	74	8,624	7,567	94	0	0	189
28	121	123	9,591	8,534	74	0	0	172
29	27	33	13,224	12,167	135	0	0	96
30	0	0	12,488	11,431	144	0	0	96
31	0	0	12,915	12,915	154	0	0	89
Total	4,243	2,890	306,668	289,107	5,852	0	0	5,521

**Table 10. Clifton Court Forebay**

Daily Operation of Gates

**October 2000**

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	0:05	3:20	6:20	15:20	16:20	19:24			11,893
2	0:01	4:09	7:09	13:52					10,271
3	0:13	4:59	8:09	21:14	23:30	---			9,911
4	---	5:58	9:00	16:20					9,904
5	0:22	7:03	10:15	17:13					9,902
6	1:25	7:50	16:30	20:30					8,916
7	0:01	8:40	17:02	19:51					8,919
8	0:01	6:20	17:38	22:30					7,925
9	0:01	9:11	18:50	19:58					7,911
10	2:00	9:15	18:40	20:00					7,867
11	0:12	8:32	10:06	11:00	19:00	22:10			6,597
12	1:35	10:54	19:25	---					9,906
13	---	0:53	3:53	11:42	15:00	16:55	19:53	---	10,893
14	---	1:30	7:30	13:30	15:38	17:30	21:10	---	9,903
15	---	2:10	5:10	13:10	16:07	18:05	20:57	22:15	9,916
16	0:01	2:52	5:52	14:00	16:25	18:47	21:33	---	11,418
17	---	3:41	6:41	19:32	22:19	---			10,890
18	---	4:17	7:36	20:30	23:12	---			10,787
19	---	4:05	8:39	17:30	19:30	21:39			9,290
20	0:17	6:15	9:48	19:05	20:12	23:14			10,836
21	1:30	7:57	10:57	19:30	22:16	---			10,764
22	---	0:30	2:46	8:40	16:44	21:00	22:43	---	8,127
23	---	8:30	17:26	---					10,075
24	---	9:36	18:03	21:40					9,909
25	0:01	10:27	18:45	20:05					8,915
26	0:01	0:13	3:13	11:15	19:12	21:15			10,730
27	0:01	0:55	3:55	11:25	15:00	16:54	19:46		10,112
28	---	0:11	4:35	12:17	15:46	17:33	20:16		10,065
29	---	1:00	5:17	17:12	19:48	---			12,793
30	---	0:12	4:55	17:54	20:20	---			12,251
31	---	0:40	5:17	18:40	20:50	---			12,936
Total inflow for the month in AF:								310,532	

**Table 11. Governor Edmund G. Brown California Aqueduct**  
 Delta Field Division, Monthly Deliveries

(In acre-feet)

**October 2000**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Entitlement	USBR	Misc.	Loan Water	Carryover Ent.			
	No.	Structure	Mile										
1	Banks Pumping Plant	3.32			306,668								
	South Bay Pumping Plant	4.49	Bethany Reservoir Inlet		5,852								
	Check No. 1	5.95											
	Check No. 2	12.01											
	3	12.47	Musco Olive		50		50						
		Check No. 3	18.29										
	4	22.16	Tracy Golf & Country Club		1								
		Check No. 4	23.99										
	5	Check No. 5	29.73										
	6	Check No. 6	34.24										
	7	35.22	Turlock Fruit Company Inflow		0								
		Check No. 7	39.91										
2A	8	42.46	Oak Flat Water District-A		19	19	39	85	138	281			
		43.81	Oak Flat Water District-B		39								
		44.64	Oak Flat Water District-C		85								
	Check No. 8	45.97											
	9	46.18	Oak Flat Water District-D		138								
			Oak Flat Totals:		281								
	Check No. 9	51.30											
	10	Check No. 10	56.86										
	11	Check No. 11	61.40										
	12		66.14	Veteran's Cemetery	3								
		Check No. 12	66.71		286,504								
2B													

**Table 12. South Bay Aqueduct**  
Delta Field Division, Monthly Deliveries

(In acre-feet)

**October 2000**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		Structure			Entitlement	General Wheeling	Local	Recreation	
	No.	Structure	Mile							
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	5,852	4	750	750	750	
			3.17	Granite - Vasco Rd. (Temp.)	0					
			3.18	Oakland Scavenger Zone 7	4					
		Check No. 1	3.91							
	2	Check No. 2	5.21							
2	3		7.21	Zone 7 Altamont	0	750	750	750	750	
		Check No. 3	9.49	Zone 7 Patterson Stored Exchange	0					
				Zone 7 Patterson Project Water	750					
	4	Check No. 4	10.68							
4	5	Check No. 5	12.29							
	6		13.55	Zone 7 Wente #1	83	83	679	679	679	
			14.16	Zone 7 Wente #2	47					
		Check No. 6	14.65							
	7			Zone 7 Ising Temporary	7	7	21	21	21	
			14.78	Zone 7 Arroyo Mocho	679					
		Check No. 7	16.38							
	8		16.57	Zone 7 Wente #3	21	91	1,808	1,808	1,808	
			16.69	Zone 7 Norman Nursery	11					
			16.70	Zone 7 Concannon Project Water	40					
		Del Valle Branch Pipeline Junction	18.63	(Pumped into Lake Del Valle)	0					
				(Flow into South Bay Aqueduct)	5,521					
		Deliveries through Del Valle Branch Pipeline		Arroyo Valle #1 & #2 Project Water	91					
				Arroyo Valle #1 & #2 Inflow Released	79					
				Lake Del Valle Recreation	28					
				Zone 7 Wente #5 Inflow Released	39					
			19.20	So. Livermore Project	1,808					
6	7			So. Livermore Inflow Released	0					
				So. Livermore Stored Exchanged	0					
			19.21	Zone 7 - Kalthof Detjens	55					
7	8	La Costa Tunnel	22.47	ACWD Vallecitos Project Water	492	492	2,043	2,043	2,043	
			25.97	City of San Francisco San Antonio	0					
8	9	Mission Tunnel	28.97	ACWD - Bayside 1 & 2 Project Water: Inflow Released	2,043	5,116	5,116	5,116	5,116	
				Stored Exchange:	0					
		Santa Clara Pipeline	35.86	S.C.V.W.D. Meter	5,116					

**Table 13. Lake Del Valle**

Daily Operation

Capacity: 77,106 ac-ft

**October 2000**

(in acre-feet except as noted)

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct	Recreation Deliveries 2/	Evaporation	Total Outflow	
Sep 30	692.60	32,979									
1	692.32	32,805	-174	3	0	0	163	0	14	177	0.00
2	692.00	32,606	-199	-2	0	0	189	0	9	197	0.00
3	691.67	32,402	-204	-7	0	0	189	0	9	197	0.00
4	691.34	32,198	-204	-5	0	0	189	1	9	199	0.00
5	691.02	32,002	-196	1	0	0	189	1	8	197	0.00
6	690.72	31,818	-184	14	0	0	189	1	8	198	0.00
7	690.41	31,630	-188	7	0	0	189	1	6	195	0.00
8	690.10	31,442	-188	9	0	0	189	1	7	197	0.00
9	689.80	31,261	-181	16	0	0	189	1	7	197	0.00
10	689.55	31,110	-151	39	0	0	189	1	0	190	1.20
11	689.23	30,919	-191	1	0	0	189	1	3	192	0.00
12	688.91	30,728	-191	-1	0	0	189	1	0	190	0.05
13	688.57	30,526	-202	-9	0	0	189	1	4	193	0.00
14	688.24	30,331	-195	-1	0	0	189	1	4	194	0.00
15	687.90	30,132	-199	-5	0	0	189	1	5	194	0.00
16	687.57	29,939	-193	2	0	0	189	1	6	195	0.00
17	687.21	29,729	-210	-14	0	0	189	1	6	196	0.00
18	686.89	29,544	-185	13	0	0	189	1	8	198	0.00
19	686.54	29,342	-202	-6	0	0	189	1	6	196	0.00
20	686.21	29,153	-189	7	0	0	189	1	6	196	0.00
21	685.86	28,954	-199	-6	0	0	189	1	4	193	0.00
22	685.52	28,761	-193	4	0	0	189	1	8	197	0.00
23	685.15	28,553	-208	-11	0	0	189	1	8	197	0.00
24	684.76	28,334	-219	-21	0	0	189	1	9	198	0.00
25	684.45	28,162	-172	25	0	0	189	1	8	197	0.00
26	684.13	27,985	-177	13	0	0	189	1	0	190	0.16
27	683.77	27,786	-199	-9	0	0	189	1	0	190	0.39
28	683.50	27,638	-148	27	0	0	172	1	2	175	0.00
29	683.36	27,562	-76	21	0	0	96	1	0	97	0.76
30	683.20	27,475	-87	10	0	0	96	1	0	97	0.19
31	683.04	27,388	-87	3	0	0	89	1	0	90	0.04
Total		-5,591		118	0	0	5,521	28	160	5,709	2.79

1/ Total inflow from stream gauging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

NR=No Records

**Table 14. Consolidated State-Federal O'Neill Forebay**

Daily Operations

October 2000

United States  
Department of the Interior  
Bureau of Reclamation  
Central Valley Project

State of California  
The Resources Agency  
Department of Water Resources  
State Water Project

Capacity: 56,430 Acre-feet

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant 2/	Deliveries 3/	
Sep 30	220.56	44,609										
1	220.95	45,629	1,020	0	1,381	0	5,790	0	2,150	4,367	16	-124
2	220.10	43,411	-2,218	0	1,496	155	3,815	0	2,508	4,344	14	282
3	221.99	48,360	4,949	0	1,617	923	4,692	0	896	4,209	4	372
4	221.59	47,309	-1,051	0	1,427	1,013	4,494	0	4,798	3,277	4	615
5	222.83	50,593	3,284	0	1,586	1,335	4,745	0	2,219	4,241	12	462
6	223.00	51,046	453	0	1,688	0	4,192	0	1,881	4,030	12	271
7	222.84	50,619	-427	0	1,792	0	4,165	0	2,419	4,117	12	376
8	219.38	41,554	-9,065	0	1,811	0	3,866	0	6,404	4,134	18	309
9	219.63	42,196	642	0	1,895	262	3,110	0	1,864	3,455	2	378
10	221.54	47,178	4,982	0	2,332	1,790	2,826	0	1,021	3,900	9	494
11	221.95	48,255	1,077	0	2,820	479	3,345	0	2,493	3,858	9	259
12	222.95	50,913	2,658	0	3,009	315	4,323	0	2,480	4,065	2	240
13	223.28	51,794	881	0	2,885	0	5,566	0	4,555	3,955	2	505
14	224.01	53,754	1,960	0	2,802	274	4,597	0	3,719	3,345	2	381
15	221.33	46,626	-7,128	0	2,979	0	4,949	0	8,653	3,233	8	372
16	221.86	48,019	1,393	0	2,996	0	4,871	0	3,859	3,086	4	-216
17	222.95	50,913	2,894	0	2,971	170	5,120	0	3,046	4,249	4	497
18	221.73	47,677	-3,236	0	3,017	0	4,883	0	5,849	4,094	4	416
19	222.32	49,235	1,558	0	3,035	0	4,799	0	3,272	4,113	3	339
20	222.94	50,886	1,651	0	3,029	0	5,023	0	3,355	4,164	3	302
21	222.55	49,847	-1,039	0	3,028	38	4,726	0	4,899	3,953	12	548
22	219.70	42,376	-7,471	0	3,091	0	4,830	0	7,337	4,604	12	265
23	221.05	45,892	3,516	0	3,154	769	5,060	0	3,911	3,778	15	494
24	221.23	46,364	472	0	3,241	38	4,889	0	3,500	4,672	5	247
25	221.06	45,918	-446	0	3,234	283	3,999	0	3,746	4,603	5	613
26	222.11	48,677	2,759	0	3,311	1,387	3,993	0	3,743	4,007	2	452
27	222.23	48,995	318	0	3,399	231	4,233	0	4,089	4,091	3	480
28	223.04	51,153	2,158	0	3,361	925	4,513	0	3,875	4,349	0	513
4/ 29	221.77	47,782	-3,371	0	3,495	0	6,172	0	7,179	4,617	7	504
30	222.88	50,726	2,944	0	3,509	659	6,067	0	5,473	3,784	7	513
31	223.31	51,875	1,149	0	3,457	101	6,533	0	6,249	3,637	21	395
Total			7,266	0	82,848	11,147	144,186	0	121,442	124,331	233	11,556
Mean cfs			---	0	2,673	360	4,651	0	3,917	4,011	8	373
Acre-feet			7,266	0	164,615	22,113	286,504	0	241,474	246,609	463	22,580

1/ Pump-in located at Mile 79.67R.

2/ CVC Transfer incorporated in D.A. pumping starting 10/16/00, through 10/22/00, total CVC Transfer = 6,536 AF.

3/ Includes 172 AF delivered to DFG at O'Neill Forebay.

4/ 25 hr. day; the factor for converting CFS/AF is 2.0661 on 10/29/00.

**Table 15. Consolidated State-Federal San Luis Reservoir**

Daily Operations

October 2000

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 2,027,835 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)	Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.	
Sep 30	437.48	850,828						
1	437.85	854,338	3,510	2,150	0	276	0	-104
2	438.22	857,853	3,515	2,508	155	258	0	-323
3	438.19	857,568	-285	896	923	205	0	88
4	438.87	864,039	6,471	4,798	1,013	173	0	-350
5	439.01	865,374	1,335	2,219	1,335	421	0	210
6	439.36	868,713	3,339	1,881	0	173	0	-25
7	439.77	872,630	3,917	2,419	0	170	0	-274
8	441.02	884,610	11,980	6,404	0	161	0	-203
9	441.34	887,685	3,075	1,864	262	169	0	117
10	441.15	885,859	-1,826	1,021	1,790	135	0	-17
11	441.48	889,032	3,173	2,493	479	150	0	-264
12	441.90	893,076	4,044	2,480	315	161	0	35
13	442.76	901,377	8,301	4,555	0	97	0	-273
14	443.42	907,764	6,387	3,719	274	89	0	-136
15	445.12	924,287	16,523	8,653	0	90	0	-233
16	445.85	931,413	7,126	3,859	0	91	0	-175
17	446.45	937,283	5,870	3,046	170	91	0	174
18	447.49	947,488	10,205	5,849	0	91	0	-613
19	448.08	953,294	5,806	3,272	0	91	0	-254
20	448.68	959,210	5,916	3,355	0	93	0	-279
21	449.62	968,504	9,294	4,899	38	90	0	-85
22	450.97	981,903	13,399	7,337	0	90	0	-492
23	451.55	987,678	5,775	3,911	769	86	0	-144
24	452.17	993,865	6,187	3,500	38	95	0	-248
25	452.80	1,000,164	6,299	3,746	283	100	0	-187
26	453.33	1,005,473	5,309	3,743	1,387	101	0	422
27	454.03	1,012,500	7,027	4,089	231	97	0	-218
28	454.57	1,017,932	5,432	3,875	925	116	0	-95
29	455.98	1,032,160	14,228	7,179	0	109	0	103
30	456.82	1,040,668	8,508	5,473	659	97	0	-428
31	457.93	1,051,945	11,277	6,249	101	81	0	-382
Total			201,117	121,442	11,147	4,247	0	-4,653
Mean cfs			---	3,917	360	137	0	-150
Acre-feet			201,117	241,474	22,113	8,437	0	-9,807

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 7,390 AF, San Benito: 1,047 AF.

**Table 16. San Luis Field Division Plant Data**

(in acre-feet)

Date	October 2000						
	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant			San Felipe Project	
	Total Pumping	SWP Pumping 1/, 2/	Total Generation	SWP Generation 1/, 2/	Total Pumping	SWP Pumping 1/, 2/	Federal
1	8,661	8,661	0	0	4,265	3,558	547
2	8,616	8,616	308	308	4,975	2,440	512
3	8,348	8,348	1,830	1,830	1,777	1,777	407
4	6,500	6,500	2,010	2,010	9,516	4,986	344
5	8,412	8,412	2,647	2,647	4,402	920	836
6	7,994	7,994	0	0	3,731	2,855	343
7	8,167	8,167	0	0	4,798	895	337
8	8,199	8,199	0	0	12,702	2,404	320
9	6,853	6,853	519	519	3,697	723	336
10	7,735	7,735	3,550	3,550	2,025	1,009	267
11	7,653	7,653	951	951	4,944	372	298
12	8,063	8,063	624	624	4,919	375	319
13	7,844	7,844	0	0	9,035	789	193
14	6,634	6,634	544	544	7,377	1,961	176
15	6,413	6,413	0	0	17,164	4,205	178
16	6,122	5,079	0	0	7,655	5,184	180
17	8,428	7,385	338	338	6,041	2,120	180
18	8,121	7,078	0	0	11,601	6,089	180
19	8,158	7,115	0	0	6,491	1,028	181
20	8,260	7,217	0	0	6,655	-79	185
21	7,841	6,798	76	76	9,718	3,028	178
22	9,133	8,858	0	0	14,553	5,179	357
23	7,494	7,494	1,526	1,526	7,758	-88	170
24	9,267	9,267	76	76	6,942	-116	189
25	9,130	9,130	561	561	7,430	-95	198
26	7,947	7,947	2,752	2,752	7,424	-117	200
27	8,115	8,115	459	459	8,110	497	193
28	8,626	8,626	1,835	1,835	7,686	272	231
29	9,157	9,157	0	0	14,833	823	226
30	7,505	7,505	1,307	1,307	10,856	4,286	193
31	7,213	7,213	200	200	12,394	4,650	161
Total	246,609	240,076	22,113	22,113	241,474	61,930	8,615

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

**Table 17. Consolidated State-Federal Los Banos Reservoir**

Daily Operations

October 2000

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Sep 30	324.86	19,220					
1	324.84	19,211	-9	0	0	0	-9
2	324.82	19,202	-9	0	0	0	-9
3	324.80	19,193	-9	0	0	0	-9
4	324.78	19,184	-9	0	0	0	-9
5	324.77	19,180	-4	0	0	0	-4
6	324.75	19,171	-9	0	0	0	-9
7	324.73	19,162	-9	0	0	0	-9
8	324.72	19,157	-5	0	0	0	-5
9	324.69	19,143	-14	0	0	0	-14
10	324.70	19,148	5	3	0	0	-1
11	324.71	19,153	5	3	0	0	-1
12	324.69	19,143	-10	0	0	0	-10
13	324.69	19,143	0	0	0	0	0
14	324.69	19,143	0	0	0	0	0
15	324.68	19,139	-4	0	0	0	-4
16	324.67	19,134	-5	0	0	0	-5
17	324.66	19,130	-4	0	0	0	-4
18	324.64	19,121	-9	0	0	0	-9
19	324.64	19,121	0	0	0	0	0
20	324.62	19,112	-9	0	0	0	-9
21	324.59	19,098	-14	0	0	0	-14
22	324.57	19,089	-9	0	0	0	-9
23	324.55	19,080	-9	0	0	0	-9
24	324.54	19,076	-4	0	0	0	-4
25	324.52	19,067	-9	0	0	0	-9
26	324.63	19,116	49	25	0	0	0
27	324.63	19,116	0	0	0	0	0
28	324.62	19,112	-4	0	0	0	-4
29	324.62	19,112	0	0	0	0	0
30	324.60	19,103	-9	0	0	0	-9
31	324.60	19,103	0	0	0	0	0
Total			-117	31	0	0	-178
Mean cfs			---	1	0	0	---
Acre-feet			-117	61	0	0	-178

**Table 18. Consolidated State-Federal Little Panoche Reservoir**

Daily Operations

October 2000

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 5,580 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft) 1/	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
Sep 30	601.60	769			1	0	1
1	Not Observed				1	0	1
2	Not Observed				1	0	1
3	Not Observed				1	0	1
4	Not Observed				1	0	1
5	Not Observed				1	0	1
6	601.60	769	0	1	0	0	1
7	Not Observed				1	0	1
8	Not Observed				1	0	1
9	Not Observed				1	0	1
10	Not Observed				1	0	1
11	601.60	769	0	1	0	0	1
12	Not Observed				1	0	1
13	601.90	786	17	11	0	2	
14	Not Observed				2	0	2
15	Not Observed				2	0	2
16	Not Observed				2	0	2
17	Not Observed				2	0	2
18	Not Observed				2	0	2
19	Not Observed				2	0	2
20	601.70	775	-11	0	0	2	
21	Not Observed				2	0	2
22	Not Observed				2	0	2
23	Not Observed				2	0	2
24	Not Observed				2	0	2
25	Not Observed				2	0	2
26	Not Observed				2	0	2
27	602.20	803	28	16	0	2	
28	Not Observed				2	0	2
29	602.35	812	9	7	0	2	
30	602.35	812	0	2	0	2	
31	602.50	821	9	7	0	2	
Total			52	81	0	50	---
Mean cfs			---	3	0	2	---
Acre-feet			52	160	0	99	-9

1/ Not available on a daily basis

**Table 19a. Governor Edmund G. Brown California Aqueduct**

San Luis Field Division, Monthly Deliveries

(In acre-feet)

**October 2000**

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending					USBR	Transfer	DWR	USBR		
	No.	Structure	Mile					Recreation	Recreation		
2B	12	Check No. 12	66.71		286,504						
3	13	O'Neill Forebay and San Luis Reservoir		Department of Parks and Recreation Department of Fish & Game	7 100	363	0	4 55	3 45		
		Outlet Check No. 13	70.85								
		70.91 Thru 85.08		San Luis Water District	363						
				(Floodwater Inflow)	0						
				Reach 3 Subtotal:	470			59	48		
		Dos Amigos Pumping Plant	86.73		246,609						
4	14	89.03 Thru 94.06 89.66 Thru 89.67		San Luis Water District	1,509	1,509	116	4	109		
				Pacheco Water District	116						
				Panoche Water District	4						
		89.68 Thru 89.70 Check No. 14		City of Dos Palos	109						
	15	98.15 Thru 104.20 96.15 Thru 102.64		San Luis Water District	182	182	571	2,131	0		
				Panoche Water District	571						
				(Floodwater Inflow)	0						
				Broadview Water District	0						
				Westlands Water District	2,131						
		Check No.15	108.50								
				Pacheco Water District Total:	116	116	0	0	0		
				Broadview Water District Total:	0	0	0	0	0		
				City of Dos Palos Total:	109	109	0	0	0		
				SLWD Reach 4 Subtotal:	1,691	1,691	0	0	0		
				Panoche Water District Total:	575	575	0	0	0		
				SLWD Total:	2,054	2,054	0	0	0		
				Westlands WD Reach 4 Subtotal:	2,131	0	2,131	0	0		

**Table 19b. Governor Edmund G. Brown California Aqueduct**  
 San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**October 2000**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					USBR	Transfer 1/	DWR	USBR				
	No.	Structure	Mile					Recreation	Recreation				
5	16		110.52	(Reverse flow, Kings River)	0	3,136	3,136	1	1				
			Thru	Westlands Water District	3,136								
			122.05	Department of Fish and Game	1								
		Check No. 16	122.07										
	17		124.18	Westlands Water District	1,961	1,961	3,402	1	1				
			Thru										
			132.74										
	Check No. 17		132.95										
	18		133.81	Westlands Water District	4,449	1,047	3,402	1	1				
			Thru										
			142.61										
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	6,288	6,288	470	1	1				
			143.16	City of Coalinga	470								
		Check No. 18	143.23										
				Westlands WD Reach 5 Subtotal:	16,305	12,902	3,402	0	1				
6	19		145.26	Westlands Water District	5,942	5,942	0	0	0				
			Thru										
			151.19										
	Check No. 19		155.64										
				Westlands WD Reach 6 Subtotal:	5,942	5,942	0	0	0				
7	20		156.34	City of Huron	74	74	2,205	1	1				
			156.40	Westlands Water District	2,205								
			Thru										
			163.69										
	Check No. 20		164.69										
	21		164.79	City of Avenal	213	213	911	1	1				
			167.04	Westlands Water District	911								
			Thru										
			171.67										
	Check No. 21		172.40		218,902								
				Reach 7 Total:	3,403	287	3,116	0	0				
				Westlands WD Total:	27,023	18,374	8,649	0	0				
				City of Coalinga Total:	470	470	0	0	0				
				City of Huron Total:	74	74	0	0	0				
				City of Avenal Total:	213	213	0	0	0				
				Phase I Water Total:	0	0	0	0	0				
Total San Luis Field Division Deliveries:					30,742	21,985	8,649	59	49				

1/ KCWA entitlement delivered to WWD in accordance to agreements made in April and September 2000.

**Table 20. Consolidated State-Federal San Luis Canal 1/**

Daily Operations  
October 2000

United States  
Department of the Interior  
Bureau of Reclamation  
Central Valley Project

State of California  
The Resources Agency  
Department of Water Resources  
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project 2/	Dos Amigos Pumping Plant	Pools 14 & 15 3/	Pool 15	Pools 15 thru 21 4/	Flow Past Check 21	
Sep 30	28,889								
1	29,231	342	0	4,367	50	25	581	4,020	481
2	29,985	754	0	4,344	51	25	595	3,414	121
3	29,690	-295	0	4,209	45	21	526	3,748	-18
4	28,140	-1,550	0	3,277	45	21	529	3,508	44
5	28,489	349	0	4,241	45	19	515	3,364	-122
6	28,494	5	0	4,030	51	19	515	3,180	-262
7	28,700	206	0	4,117	53	13	500	3,312	-135
8	28,758	58	0	4,134	57	17	534	3,426	-71
9	29,038	280	0	3,455	54	8	534	2,641	-77
10	28,499	-539	0	3,900	57	8	416	3,519	-172
11	28,487	-12	0	3,858	57	8	416	3,355	-28
12	28,586	99	0	4,065	36	14	492	3,626	153
13	28,724	138	0	3,955	36	14	492	3,441	98
14	28,718	-6	0	3,345	32	10	474	3,082	250
15	28,713	-5	0	3,233	24	8	444	2,967	207
16	28,773	60	0	3,086	29	11	440	2,810	234
17	28,898	125	0	4,249	23	5	409	3,973	224
18	28,781	-117	0	4,094	23	4	409	3,749	32
19	28,583	-198	0	4,113	18	5	482	3,756	49
20	28,237	-346	0	4,164	15	4	488	3,944	112
21	28,289	52	0	3,953	13	7	431	3,600	124
22	28,378	89	0	4,604	14	7	400	4,266	128
23	27,928	-450	0	3,778	17	5	429	3,605	51
24	28,792	864	0	4,672	16	6	477	3,788	50
25	28,881	89	0	4,603	17	2	461	3,881	-197
26	27,849	-1,032	0	4,007	17	2	384	3,873	-251
27	27,781	-68	0	4,091	17	2	389	3,632	-85
28	28,311	530	0	4,349	17	0	370	3,566	-128
29	27,464	-847	0	4,617	12	0	306	4,735	26
30	27,785	321	0	3,784	15	0	320	3,546	259
31	28,314	529	0	3,637	10	0	256	3,040	-65
Total		-575	0	124,331	966	290	14,014	110,367	1,032
Mean cfs		---	0	4,010	33	10	469	3,537	33
Acre-feet		-575	0	246,609	1,916	575	27,796	218,912	2,015

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Pump In of Non-Project Water (0 AF @ Lat.7L) and Flood Water (0 AF) is included in the gain or loss.

3/ Includes 115 AF AG & 1 AF M&I to Pacheco W.D. and 109 AF to the City of Dos Palos.

4/ Includes 74 AF to the City of Huron, 213 AF to the City of Avenal, 470 AF to the City of Coalinga, 15 AF Phase I Water in Pool 18 - 14R = 4, and Pool 21 - 28R = 11 and 1 AF to F&G @ WWD Lateral 4L.

**Table 21. San Joaquin Field Division Plant Data**

(in acre-feet)

**October 2000**

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	220	220	68	65	71	6,275	6,232	6,115	5,960
2	227	227	68	64	70	5,228	5,344	5,730	4,754
3	232	232	55	54	59	4,780	4,813	4,644	4,643
4	284	284	69	62	70	4,826	4,727	4,529	4,437
5	301	301	83	76	83	4,095	4,027	3,885	3,733
6	208	208	72	70	75	4,786	4,591	4,371	4,209
7	160	160	56	51	57	4,557	4,496	4,364	4,270
8	113	113	59	56	61	5,207	5,032	5,213	5,073
9	128	128	69	62	69	4,055	4,024	3,911	3,760
10	164	164	59	54	61	4,149	4,132	3,980	3,894
11	199	199	50	47	52	4,873	4,881	4,772	4,673
12	203	203	50	48	53	4,915	4,765	4,598	4,507
13	149	149	27	23	29	4,699	4,593	4,383	4,324
14	88	88	29	27	30	4,280	4,385	4,314	4,300
15	58	58	32	29	32	3,974	3,779	3,775	3,612
16	139	139	53	50	55	4,322	4,548	4,463	4,472
17	133	133	39	36	40	5,299	5,129	5,009	4,928
18	148	148	45	42	48	5,228	5,293	5,101	4,971
19	194	194	42	38	43	4,771	4,788	4,692	4,534
20	162	162	47	43	47	5,314	5,310	5,161	5,025
21	153	153	46	43	48	5,200	5,081	4,959	4,915
22	91	91	47	43	49	6,037	6,105	6,058	6,019
23	200	200	53	49	55	5,557	5,821	5,667	5,615
24	195	195	47	44	50	5,568	5,465	5,427	5,294
25	208	208	52	48	54	5,200	5,423	5,300	5,170
26	206	206	59	54	59	5,302	5,172	4,993	4,877
27	167	167	33	32	37	5,177	5,157	5,022	4,982
28	164	164	72	67	73	5,445	5,649	5,505	5,531
29	113	113	73	68	74	7,541	7,597	7,518	7,445
30	137	137	60	55	61	4,776	4,778	4,780	4,777
31	139	139	74	69	76	4,732	4,795	4,817	4,659
Total	5,283	5,283	1,688	1,569	1,741	156,168	155,932	153,056	149,363

**Table 22a. Governor Edmund G. Brown California Aqueduct**  
San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

**October 2000**

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending		Mile			Entitle-ment	USBR	Purchase Pool A	Purchase Pool B	MWD Ent.		
	No.	Structure										
7	21	Check No. 21	172.40		218,902							
8C	22		172.66	Empire West Side Irrig. Dist.		500	968	207	658	0		
				TL - A	0							
				County of Kings								
			175.18	TL - A	500	357	658	3,074	0	0		
				TLBWSA TL-A	968							
			177.54	DRWD - 1	96	2	2	0	0	0		
				DRWD - 1B	207							
			180.64	TLBWSA - C	0	620	620	1,940	0	0		
				DRWD - 1A	357							
			180.65	DRWD - 2	658	4,042	4,042	0	0	0		
				Tulare Lake Basin WSD	3,074							
8D			183.00	TL - B		2	2	0	0	0		
				DRWD - SD	2							
31A			184.63	Coastal Branch	5,283							
8D			184.78	Dudley Ridge Water Dist.		620	620	1,940	0	0		
				DRWD - 3								
			184.78	Dudley Ridge Reach 8D Total:	1,940	4,042	4,042	0	0	0		
				Tulare Lake Basin WSD Total:	4,042							
			Check No. 22	184.82								
9	23		189.69	Kern County Water Agency		976	976	0	0	0		
				Lost Hills Water Dist. - 1	976							
				Kern County Water Agency								
				Lost Hills Water Dist. - 2	336							
				Kern County Water Agency		11	11	0	0	0		
				Lost Hills Water Dist. - 3	11							
			196.40	Kern County Water Agency		21	21	0	0	0		
				Berrenda Mesa - 2	0							
			196.75	Kern County Water Agency		1,344	1,344	0	0	0		
				Lost Hills Water Dist. - 4	21							
			Check No. 23	K.C.W.A. Reach 9 Subtotal:	1,344							
				197.05								
10A	24		201.24	Kern County Water Agency		293	293	0	0	0		
				Lost Hills Water Dist. - 7	293							
				Kern County Water Agency		194	194	0	0	0		
				Lost Hills Water Dist. - 5	194							
			204.69	Kern County Water Agency		12	12	0	0	0		
				Lost Hills Water Dist. - 6	0							
			205.26	Kern County Water Agency		1,085	1,085	0	0	0		
				Lost Hills Water Dist. - 8	12							
			Check No. 24	207.94								
	25		209.71	Kern County Water Agency		2,812	2,812	0	0	0		
				Belridge Water Storage Dist. - 1A	1,085							
			209.78	Kern National Wildlife Refuge		2,674	2,674	0	0	0		
				USBR ST Pen	2,812							
			209.80	Kern National Wildlife Refuge		348	348	0	0	0		
				USBR BV-1B	2,674							
				Kern County Water Agency		6,345	6,345	0	0	0		
				Buena Vista WSD 1B	0							
				KCWA Semitropic WSD	348	826	826	0	0	0		
				KCWA Semitropic WSD Penstocks	7,171							
				USBR Total:	5,486	2,758	2,758	0	0	0		
				K.C.W.A. Reach 10A Subtotal:	9,103							

**Table 22b. Governor Edmund G. Brown California Aqueduct**  
San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**October 2000**

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending					Entitle-ment	USBR	Purchase Pool A	Purchase Pool B	MWD Ent. 2/		
	No.	Structure	Mile									
11B	25		210.75	Kern County Water Agency Belridge - 2	0	4,097	352	0	0	0		
			214.11	Kern County Water Agency Belridge - 3	0							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5	4,097							
				Kern County Water Agency Belridge - 5D	352							
			Check No. 25	217.79								
				K.C.W.A. Reach 11B Subtotal:	4,449							
12D	26		219.58	Kern County Water Agency Belridge - 6	0	3	0	0	0	0		
				Kern County Water Agency West Kern Temp. - 3	3							
			Check No. 26	224.92								
12E	27		230.37	Kern County Water Agency Buena Vista - 6	0	2,472	0	0	0	0		
			Check No. 27	231.73								
	28		235.75	Kern County Water Agency Buena Vista - 2	0							
			238.04	Kern County WA CVC	23,591							
				DRWD CVC	0							
				Tulare Co.	0							
				Lower Tule River	0							
				Fresno Co.	0							
				Pixley ID	0							
				Hacienda								
				DWR Wells	0							
			Check No. 28	238.11								
				1/ Arvin Edison Total:	0	2,475	0	0	0	0		
				Reach 12E Subtotal:	23,594							
13B	29		241.02	Kern River Intertie (inflow)	0	126	0	0	0	0		
				KCWA Buena Vista WSD - 7	0							
			242.85	KCWA Buena Vista WSD - 5	0							
				Kern County Water Agency Buena Vista - 3	0							
			Check No. 29	244.54	Buena Vista WSD							
	30			Kern County Water Agency Buena Vista - 4	126							
			249.85		156,168							
			Buena Vista Pumping Plant	250.99								
				K.C.W.A. Reach 13B Subtotal:	126							
14A	31		254.47	Kern County Water Agency West Kern - 2	0	98	0	0	0	0		
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	98							

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Arvin-Edison WSD is storing this water for MWD.

**Table 22c. Governor Edmund G. Brown California Aqueduct**  
San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

October 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitlement	USBR	Purchase Pool A	Purchase Pool B	MWD Ent.		
	No.	Structure	Mile									
14A	31	Check No. 31	256.14			43						
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	43		269					
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	269							
			261.72	KCWA Reach 14A Subtotal:	410		410	0	0	0		
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	1,033	1,033						
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	414		414					
			267.36	Kern County Water Agency Wheeler Ridge-Maricopa - 7	799							
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	799		799					
			271.27	KCWA Reach 14B Total:	2,246			2,246	0	0		
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	889	889						
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	552		552					
				KCWA Reach 14C Total:	1,441			1,441	0	0		
15A	36		278.13		155,932	386						
			279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	386		1,822					
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	1,822			2,208	0	0		
				KCWA Reach 15-A Total:	2,208			2,208	0	0		
16A	37		280.36		153,056	84						
			282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0		103					
			283.95									
			285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	84							
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	103							
	38		287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0		78					
			287.09									
			287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	78							
	39		290.21				822					
			291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	822							
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	196							
				Kern County Water Agency Tehachapi Cummings CWD	0							
				K.C.W.A. Reach 16A Subtotal:	1,283		1,283	0	0	0		
17E		Edmonston Pumping Plant	293.45		149,363							

**Table 23. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

**October 2000**

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending					Entitle-ment	USBR	Purchase Pool A	Purchase Pool B	MWD Ent. 1/		
	No.	Structure	Mile									
31A	C-1	Coastal Branch Control	0.02		5,283	246	3,658	0	0	0		
		Las Perillas Pumping Plant	1.16		5,283							
	C-2		3.79	Green Valley Water District	0							
		Badger Hill Pumping Plant	4.27		5,283							
	C-3	Coastal Check No. 3	7.21									
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0							
		Coastal Check No. 4	9.34									
	C-5	Coastal Check No. 5	12.20									
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	246							
			14.83	Kern County Water Agency Berrenda Mesa - DD	0							
				Kern County Water Agency Berrenda Mesa - PO	3,658							
		Devil's Den Pumping Plant	14.86		1,688							
				K.C.W.A. Reach 31A Subtotal:	3,904	3,904	0	0	0	0		
				K.C.W.A. Total:	50,108	22,644	0	6,345	0	21,119		
33A	C-7	Bluestone Pumping Plant	19.05		1,569	1,419	331	0	0	0		
	C-8	Polonio Pass Pumping Plant	26.54		1,741							
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant								
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	1,419							
		Tank Site 2	58.63	Central Coast:	0							
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	331	1,750	0	0	0	0		
		Energy Dissipater	78.12									
		Lopez T.O.	85.86	SLOCFC & WCD	0							
35	C-12			CCWA Total:	1,750		0	0	0	0		
		Guadalupe T.O.	102.70	SBCFC & WCD	0							
		Santa Maria T.O.	107.43	SBCFC & WCD	0							
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0							
38				SBCFC & WCD Total:	0	0	0	0	0	0		
		Tank Site 5	115.42									

1/ Arvin-Edison WSD is storing this water for MWD.

**Table 24. Southern Field Division Plant Data**

(in acre-feet)

October 2000

Date	West Branch				East Branch								Devil Canyon Powerplant Generation	
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant				
		Generation	Leakage	Generation	Pumpback	Generation	Bypass Through Plant	Cottonwood Chute		Generation	Leakage	Bypass Flume		
1	2,293	15	0	338	3,728	3,465	0	218	3,356	3,079	0	0	2,103	
2	2,591	2,676	0	7,328	508	2,227	0	164	1,911	2,249	0	0	1,900	
3	2,585	2,815	0	5,189	137	1,738	0	258	1,578	1,641	0	0	2,187	
4	1,162	1,391	0	2,675	1,094	2,803	0	450	2,220	2,476	0	0	2,351	
5	2,015	2,708	0	3,552	328	1,761	0	0	1,779	1,793	0	0	2,020	
6	2,015	2,030	0	2,781	1,851	2,187	0	0	1,981	1,881	0	0	2,158	
7	2,026	1,797	0	490	1,350	2,121	0	113	1,887	2,083	0	0	2,063	
8	1,462	201	0	366	2,409	3,475	0	96	2,921	2,958	0	0	2,144	
9	1,820	1,924	0	6,477	1,495	1,793	0	133	1,689	1,886	0	0	2,139	
10	1,767	1,769	0	5,256	0	2,024	0	46	1,724	1,906	0	0	2,050	
11	1,602	1,940	0	5,032	0	2,926	0	116	2,150	1,990	0	0	2,029	
12	1,792	2,017	0	5,030	0	2,672	0	79	2,306	2,675	0	0	2,121	
13	1,992	2,034	0	4,957	0	2,309	0	0	2,138	2,204	0	0	2,196	
14	1,926	1,729	0	494	0	2,374	0	22	1,807	1,777	0	0	2,325	
15	973	244	0	882	0	2,635	0	0	2,074	1,924	0	0	2,335	
16	2,327	2,781	0	3,120	196	2,136	0	32	2,157	2,243	0	0	2,486	
17	2,740	2,428	0	5,799	1,870	2,131	0	56	1,797	1,915	0	0	2,302	
18	1,135	1,016	0	2,798	0	3,437	0	399	3,587	3,623	0	0	2,428	
19	1,725	2,097	0	3,772	1,395	2,470	0	306	2,340	2,422	0	0	2,194	
20	2,408	3,025	0	2,400	2,614	2,397	0	235	2,326	2,324	0	0	2,429	
21	2,774	2,660	0	484	2,540	2,068	0	40	1,685	1,724	0	0	2,432	
22	3,501	2,901	0	902	7,298	2,550	0	0	2,201	2,181	0	0	2,589	
23	3,071	3,008	0	4,182	2,953	2,266	0	219	2,149	2,283	0	0	2,654	
24	3,074	2,955	0	7,033	2,254	2,173	0	106	2,163	2,158	0	0	2,470	
25	3,003	3,018	0	6,016	2,454	2,131	0	62	1,872	2,018	0	0	2,532	
26	2,498	3,036	0	7,036	2,396	2,163	0	213	1,976	2,078	0	0	2,406	
27	3,017	2,295	0	7,001	2,146	1,929	0	0	1,888	1,994	0	0	2,719	
28	2,534	3,031	0	1,850	3,279	2,880	0	0	2,339	2,199	0	0	2,061	
29	3,225	3,253	0	1,522	5,202	3,565	0	503	3,770	3,547	0	0	1,713	
30	2,770	3,359	0	6,281	1,733	2,045	0	53	1,988	2,230	0	0	2,191	
31	2,232	2,286	0	4,497	1,517	2,239	0	151	2,084	1,974	0	0	1,939	
Total	70,055	68,439	0	115,540	52,747	75,090	0	4,070	67,843	69,435	0	0	69,666	

## **Table 25. Pyramid Lake Daily Operation**

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

October 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow			Computed Losses (-) Gains (+)	
				Project		Natural	Project		Natural		
				Castaic Powerplant Pumpback	Warne Powerplant	Stream Flow	Castaic Powerplant Generation	Recreation Deliveries	To Piru Creek		
Sep 30	2573.66	164,359									
1	2576.20	167,588	3,229	3,728	15	12	338	0	125	-63	
2	2572.62	163,048	-4,540	508	2,676	12	7,328	0	125	-283	
3	2570.59	160,511	-2,537	137	2,815	12	5,189	0	125	-187	
4	2570.30	160,150	-361	1,094	1,391	12	2,675	0	125	-58	
5	2569.72	159,431	-719	328	2,708	12	3,552	0	79	-136	
6	2570.55	160,461	1,030	1,851	2,030	13	2,781	0	53	-30	
7	2572.58	162,998	2,537	1,350	1,797	13	490	0	52	-81	
8	2574.34	165,219	2,221	2,409	201	13	366	0	52	16	
9	2571.81	162,033	-3,186	1,495	1,924	13	6,477	1	52	-88	
10	2568.80	158,294	-3,739	0	1,769	14	5,256	0	52	-214	
11	2566.14	155,037	-3,257	0	1,940	17	5,032	0	52	-130	
12	2563.70	152,087	-2,950	0	2,017	17	5,030	0	52	98	
13	2561.05	148,923	-3,164	0	2,034	16	4,957	0	52	-205	
14	2562.05	150,112	1,189	0	1,729	15	494	0	52	-9	
15	2561.36	149,291	-821	0	244	15	882	0	52	-146	
16	2561.01	148,875	-416	196	2,781	15	3,120	0	52	-236	
17	2559.57	147,173	-1,702	1,870	2,428	14	5,799	0	52	-163	
18	2557.85	145,156	-2,017	0	1,016	14	2,798	0	46	-203	
19	2557.41	144,642	-514	1,395	2,097	14	3,772	0	28	-220	
20	2560.19	147,905	3,263	2,614	3,025	14	2,400	0	22	32	
21	2564.12	152,593	4,688	2,540	2,660	14	484	1	22	-19	
22	2571.82	162,045	9,452	7,298	2,901	15	902	0	22	162	
23	2573.26	163,854	1,809	2,953	3,008	10	4,182	0	22	42	
24	2571.56	161,720	-2,134	2,254	2,955	15	7,033	0	22	-303	
25	2570.92	160,921	-799	2,454	3,018	16	6,016	0	22	-249	
26	2569.58	159,258	-1,663	2,396	3,036	17	7,036	0	22	-54	
27	2567.29	156,440	-2,818	2,146	2,295	21	7,001	0	22	-257	
28	2570.71	160,660	4,220	3,279	3,031	18	1,850	0	22	-236	
29	2576.57	168,061	7,401	5,202	3,253	19	1,522	0	22	471	
30	2575.01	166,070	-1,991	1,733	3,359	19	6,281	0	22	-799	
31	2574.55	165,485	-585	1,517	2,286	19	4,497	0	22	112	
Total				1,126	52,747	68,439	460	115,540	2	1,542	-3,436

**Table 26. Elderberry Forebay**

Daily Operation

(in acre-feet except as noted)

Capacity: 32,746 ac-ft

**October 2000**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) Gains (+)	
				Castaic Powerplant Generation	Natural	Castaic Powerplant Pumpback	To Castaic Lake			
							Natural	Project		
Sep 30	1519.38	22,977								
1	1510.92	19,540	-3,437	338	0	3,728	0	0	-47	
2	1518.35	22,543	3,003	7,328	0	508	0	3,818	1	
3	1521.36	23,823	1,280	5,189	0	137	0	3,771	-1	
4	1519.46	23,011	-812	2,675	0	1,094	0	2,393	0	
5	1521.99	24,096	1,085	3,552	0	328	0	2,141	2	
6	1518.38	22,555	-1,541	2,781	0	1,851	0	2,470	-1	
7	1516.30	21,691	-864	490	0	1,350	0	0	-4	
8	1510.93	19,544	-2,147	366	0	2,409	0	0	-104	
9	1514.16	20,821	1,277	6,477	0	1,495	0	3,707	2	
10	1514.80	21,079	258	5,256	0	0	0	4,996	-2	
11	1514.99	21,156	77	5,032	0	0	0	4,955	0	
12	1514.77	21,067	-89	5,030	0	0	0	5,119	0	
13	1517.06	22,005	938	4,957	0	0	0	4,019	0	
14	1518.24	22,497	492	494	0	0	0	0	-2	
15	1520.24	23,343	846	882	0	0	0	0	-36	
16	1527.07	26,341	2,998	3,120	0	196	0	0	74	
17	1528.40	26,946	605	5,799	0	1,870	0	3,326	2	
18	1523.97	24,960	-1,986	2,798	0	0	0	4,785	1	
19	1529.32	27,367	2,407	3,772	0	1,395	0	0	30	
20	1528.57	27,023	-344	2,400	0	2,614	0	0	-130	
21	1523.81	24,890	-2,133	484	0	2,540	0	0	-77	
22	1508.05	18,442	-6,448	902	0	7,298	0	0	-52	
23	1511.16	19,633	1,191	4,182	0	2,953	0	0	-38	
24	1522.81	24,452	4,819	7,033	0	2,254	0	0	40	
25	1521.56	23,910	-542	6,016	0	2,454	0	4,105	1	
26	1522.91	24,496	586	7,036	0	2,396	0	4,053	-1	
27	1524.70	25,282	786	7,001	0	2,146	0	4,069	0	
28	1521.43	23,854	-1,428	1,850	0	3,279	0	0	1	
29	1512.59	20,195	-3,659	1,522	0	5,202	0	0	21	
30	1514.10	20,797	602	6,281	0	1,733	0	3,947	1	
31	1511.23	19,661	-1,136	4,497	0	1,517	0	4,115	-1	
Total				-3,316	115,540	0	52,747	0	65,789	
									-320	

**Table 27. Castaic Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

**October 2000**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow		Computed Losses (-) Gains (+)	
				From Elderberry Forebay		Natural	Deliveries		
				Natural	Project				
Sep 30	1497.00	284,926							
1	1495.83	282,506	-2,420	0	0	0	2,463	0	
2	1496.40	283,683	1,177	0	3,818	0	2,725	0	
3	1496.83	284,573	890	0	3,771	0	3,048	0	
4	1496.46	283,807	-766	0	2,393	0	3,082	0	
5	1496.10	283,063	-744	0	2,141	0	2,962	60	
6	1495.86	282,568	-495	0	2,470	0	2,848	60	
7	1494.51	279,790	-2,778	0	0	0	2,759	60	
8	1493.16	277,029	-2,761	0	0	0	2,759	60	
9	1493.82	278,377	1,348	0	3,707	0	2,905	0	
10	1494.97	280,735	2,358	0	4,996	0	2,689	0	
11	1496.18	283,229	2,494	0	4,955	0	2,463	0	
12	1497.52	286,005	2,776	0	5,119	0	2,403	0	
13	1498.18	287,379	1,374	0	4,019	0	2,705	0	
14	1496.77	284,449	-2,930	0	0	0	2,901	0	
15	1495.48	281,784	-2,665	0	0	0	2,770	0	
16	1494.20	279,155	-2,629	0	0	0	2,740	0	
17	1494.44	279,647	492	0	3,326	0	2,805	0	
18	1495.47	281,764	2,117	0	4,785	0	2,859	0	
19	1494.14	279,032	-2,732	0	0	0	2,832	0	
20	1492.79	276,275	-2,757	0	0	0	2,227	0	
21	1491.55	273,757	-2,518	0	0	0	2,605	0	
22	1490.28	271,193	-2,564	0	0	0	2,567	0	
23	1488.92	268,460	-2,733	0	0	0	2,804	0	
24	1487.54	265,700	-2,760	0	0	0	2,809	0	
25	1488.23	267,078	1,378	0	4,105	0	2,725	0	
26	1489.04	268,701	1,623	0	4,053	1	2,562	0	
27	1489.98	270,591	1,890	0	4,069	1	2,301	0	
28	1488.96	268,541	-2,050	0	0	1	2,124	0	
29	1487.97	266,558	-1,983	0	0	3	2,145	0	
30	1488.90	268,420	1,862	0	3,947	1	2,105	0	
31	1489.84	270,309	1,889	0	4,115	1	2,178	0	
Total			-14,617	0	65,789	8	81,870	240	
								1,696	

**Table 28. Governor Edmund G. Brown California Aqueduct**

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

**October 2000**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Entitlement	Rec.	Local	Purchase Pool B	CLWA T1	
	No.	Structure	Mile								
29A	42	Oso Pumping Plant	1.49		70,055						
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Removed	394	2	2	396		
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub						
29G		Warne Power Plant	14.07		68,439						
29H	W3	Pyramid Lake		Calif. State Park Pyramid Recreation	2	14	14	14	1,943	-1,943	
				Ventura County Flood Control District/United Water Agency	394						
		Pyramid Dam	17.10	Piru Creek Fish Enhancement	396						
29J	W4	Castaic Power Plant	25.82	( 52,747 AF pumpback )	115,540						
30 1/		Elderberry Forebay									
		Forebay Dam	28.12								
W5	Castaic Lake		Calif. State Park Castaic Lake Recreation	14	17,286 61,675 1,943 798 154	410	0	0	0		
	30 1/		Dam	31.47							
			Castaic Lake Outlet	31.55						MWD - 78"	17,286
										MWD - 132"	61,675
										MWD-Castaic Lake WA - T1	1,943
										Castaic Lake WA - T1	0
										Castaic Lake WA	798
										United Water Conservation Dist.	0
										MWD - Ventura County FCD	154
										LA Co. Parks & Recreation	0
										Releases to Lagoon	240
	W6	Reach 30 Subtotal:				82,660	82,250	410	0	0	0
		Castaic Lagoon		Recreation to Lagoon	321		321				
		Outlet	31.87		150						

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

**Table 29. Silverwood Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

**October 2000**

Date	Water Surface Elev. (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) Gains (+)	Las Flores Ranch Exchange 1/		
							Project			Del. To Mojave W.A.	Natural To Mojave River				
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Inflow	Delivered to CLAWA	Rec.	San Bernardino Tunnel						
Sep 30	3349.76	69,951													
1	3350.69	70,828	877	3,079	0	0	3	0	2,103	0	0	-96	0		
2	3350.91	71,036	208	2,249	0	0	4	0	1,900	0	1	-136	0		
3	3350.46	70,610	-426	1,641	0	0	4	0	2,187	0	0	124	0		
4	3350.62	70,761	151	2,476	0	0	3	1	2,351	0	1	31	0		
5	3350.30	70,459	-302	1,793	0	0	4	0	2,020	0	0	-71	0		
6	3350.05	70,223	-236	1,881	0	0	4	0	2,158	0	1	46	0		
7	3349.99	70,167	-56	2,083	0	0	4	0	2,063	0	0	-72	0		
8	3350.95	71,074	907	2,958	0	0	4	0	2,144	0	0	97	0		
9	3350.59	70,733	-341	1,886	0	0	3	1	2,139	0	1	-83	0		
10	3350.37	70,525	-208	1,906	0	0	4	0	2,050	0	0	-60	0		
11	3350.30	70,459	-66	1,990	0	0	4	0	2,029	0	1	-22	0		
12	3350.78	70,913	454	2,675	0	0	4	0	2,121	0	0	-96	0		
13	3351.00	71,121	208	2,204	0	0	4	0	2,196	0	1	205	0		
14	3350.31	70,469	-652	1,777	0	0	4	0	2,325	0	0	-100	0		
15	3349.77	69,960	-509	1,924	0	0	3	1	2,335	0	0	-94	0		
16	3349.47	69,678	-282	2,243	0	0	4	0	2,486	0	0	-35	0		
17	3349.14	69,369	-309	1,915	0	0	6	0	2,302	0	1	85	0		
18	3350.48	70,629	1,260	3,623	0	0	7	0	2,428	0	0	72	0		
19	3350.62	70,761	132	2,422	0	0	2	0	2,194	0	1	-93	0		
20	3350.62	70,761	0	2,324	0	0	3	0	2,429	0	0	108	0		
21	3349.69	69,885	-876	1,724	0	0	3	1	2,432	0	1	-163	0		
22	3349.20	69,425	-460	2,181	0	0	4	0	2,589	0	0	-48	0		
23	3348.86	69,108	-317	2,283	0	0	5	0	2,654	0	0	59	0		
24	3348.70	68,958	-150	2,158	0	0	6	0	2,470	0	0	168	0		
25	3348.21	68,502	-456	2,018	0	0	4	0	2,532	0	1	63	0		
26	3347.85	68,168	-334	2,078	0	0	2	1	2,406	0	0	-3	0		
27	3346.80	67,199	-969	1,994	0	0	3	0	2,719	0	0	-241	0		
28	3346.92	67,309	110	2,199	0	0	3	0	2,061	0	0	-25	0		
29	3349.03	69,266	1,957	3,547	0	0	4	0	1,713	0	1	128	0		
30	3349.17	69,397	131	2,230	0	0	3	0	2,191	0	0	95	0		
31	3349.04	69,276	-121	1,974	0	0	3	1	1,939	0	0	-152	0		
Total				-675	69,435	0	0	118	6	69,666	0	11	-309	0	

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

**Table 30. Lake Perris**

## Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

**October 2000**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Sep 30	1580.71	110,552				
1	1580.71	110,552	0		9	
2	1580.70	110,530	-22		10	
3	1580.70	110,530	0		9	
4	1580.67	110,465	-65		10	
5	1580.67	110,465	0		10	
6	1580.65	110,421	-44		11	
7	1580.65	110,421	0		11	
8	1580.64	110,400	-21		10	
9	1580.61	110,334	-66		10	
10	1580.58	110,269	-65		11	
11	1580.56	110,225	-44		10	
12	1580.54	110,182	-43		10	
13	1580.53	110,160	-22		10	
14	1580.53	110,160	0		11	
15	1580.52	110,138	-22		10	
16	1580.50	110,095	-43		11	
17	1580.49	110,073	-22		10	
18	1580.48	110,052	-21		10	
19	1580.47	110,030	-22		10	
20	1580.45	109,986	-44		10	
21	1580.43	109,943	-43		10	
22	1580.41	109,899	-44		10	
23	1580.38	109,834	-65		11	
24	1580.37	109,812	-22		10	
25	1580.35	109,769	-43		10	
26	1580.35	109,769	0		10	
27	1580.31	109,682	-87		10	
28	1580.29	109,639	-43		10	
29	1580.30	109,660	21		12	
30	1580.29	109,639	-21		10	
31	1580.27	109,595	-44		10	
<b>Total</b>		<b>-957</b>		<b>782</b>	<b>316</b>	<b>-1,423</b>

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

**Table 31a. Governor Edmund G. Brown California Aqueduct**  
 Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

**October 2000**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Entitle-ment	Rec.	Transfer	Purchase Pool B	Transfer Local Out		
	No.	Structure										
17E	40	Edmonston Pumping Plant	293.45		149,363							
	41		298.65	Kern County Water Agency Tej.-Cas	Stub							
17F		Check No. 41	303.41									
18A	42	Check No. 42	304.99									
19		Alamo Powerplant	305.73	(Does not include 4,070 AF flow down Cottonwood Chute)	75,090		11	1,985	108			
			308.05	Antelope Valley-East Kern WA	0							
	43	Check No. 43	309.70									
	44		311.84	LADWP Connection	0							
			313.50	AVEK 245th Street West	0							
	45	Check No. 44	314.81									
			314.93	AVEK 235th Street West	11							
			315.57	AVEK 225th Street West	0							
	46	Check No. 45	319.74									
			323.19	Antelope Valley-East Kern WA Fairmont	2,093							
		Check No. 46	323.84									
				Reach 19 Total:	2,104		1,996	0	108	0		
20A	47	Check No. 47	326.77				78					
	48		326.91	Antelope Valley-East Kern WA Willow Springs Siphon	78							
			329.65	Antelope Valley-East Kern WA 120th Street West	Re-moved							
	49	Check No. 48	330.82									
	50	Check No. 49	335.93									
			336.73	AVEK WA - Quartz Hill (Wheeled for Palmdale WD)	3,336							
20B				Antelope Valley-East Kern WA	63		3,336					
		Check No. 50	341.51									
	51	Check No. 51	342.07									
	52		342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use							
		Check No. 52	343.74									
	53		346.98	PWD Palmdale	1,499							
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant	0							
21	54	Check No. 53	348.17				1,499					
	55	Check No. 54	350.25									
	56	Check No. 55	352.70									
		Check No. 56	354.76									
			354.97	Littlerock Creek I.D.	921							
22A	57	Check No. 57	356.93				921					
	58		357.60	Antelope Valley-East Kern WA	2							
			357.72	Antelope Valley-East Kern WA 96th Street East	53							
			359.82	Antelope Valley-East Kern WA East Side Treatment Plant	290							

**Table 31b. Governor Edmund G. Brown California Aqueduct**

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

**October 2000**

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries									
	Beginning and Ending					Entitle-ment	Recreation	Ex-change	Purchase Pool B	Local					
	No.	Structure	Mile												
22B	58	Pearblossom Pumping Plant	360.61		67,843										
	59	Check No. 59	366.09												
	60	Check No. 60	373.94												
	61	Check No. 61	379.00												
	62	Check No. 62	384.26												
	63	Check No. 63	389.20	Mojave Water Agency Mojave River	0										
	64														
	65	Check No. 65	400.32												
	66		401.10	Mojave Water Agency Morongo 24" and 42"	0										
				Mojave Water Agency Hesperia	0										
23	Check No. 66	403.41													
	Mojave Siphon	405.48	Las Flores Ranch	(Does not include 0 AF of bypass at Mojave Flume)	69,435					6					
24	Mojave Siphon Powerplant	405.65													
	Silverwood Lake	407.65	Crestline Lake Arrowhead Water Agency	Calif. State Park	0										
25	San Bernardino Tunnel	411.46	San Gorgonio Pass Water Agency	Silverwood Agency (Rec.)	6										
26A	Devil Canyon Powerplant	412.73			69,666										
	68	Devil Canyon Afterbay Control Structures	412.88	MWD-SC Rialto	26,088										
				Desert Water Agency (MWD Wheeling Exchange)	2,707										
				San Gabriel Valley Water District	2,510										
				Coachella Valley WD (MWD Wheeling Exchange)	1,704										
				San Bernardino Valley MWD 48" and 72"	1,969										
				San Bernardino Valley MWD 24"	862										
				MWD (SBVMWD Exchange)	125										
28G	69	Santa Ana Valley Pipeline	425.46												
28H			433.06	MWD-SC Box Springs	5,904										
			440.05	MWD-SC Perris Bypass Pipeline	27,655										
28J		Lake Perris	442.00	MWD-SC 18"	290										
			443.44	MWD-SC 54"	0										
				MWD-SC 78"	0										
				Calif. State Park Lake Perris Recreation	26										
				MWD Total:	141,120	141,120	0	0	0	0					

**Table 32. Water Quality At Selected SWP Locations**

October 2000

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO <sub>3</sub>	37	88	68	72	70	71	72	71.5	71.5
Antimony	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NR
Arsenic	mg/l	<0.001	0.002	0.002	0.002	0.002	0.002	0.001	0.002	0.003
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
Bromide	mg/l	<0.01	0.04	0.32	0.21	0.30	0.25	0.25	0.25	0.17
Calcium	mg/l	8	16	17	19	18	18	18	17	17
Carbon - Dissolved Organic	mg/l as C	NR	3	3	3	3	3	2	2	2
Carbon - Total Organic	mg/l as C	NR	4	4	4	4	4	3	3	3
Chloride	mg/l	1	16	67	63	91	80	79	76	56
Chromium	mg/l	<0.005	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.004
Copper	mg/l	0.001	0.003	0.003	0.003	0.003	0.002	0.001	0.002	0.004
Fluoride	mg/l	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hardness	mg/l as CaCO <sub>3</sub>	36	89.5	98	105	100.5	98	98	92	86.5
Iron	mg/l	<0.005	<0.005	0.011	0.032	0.045	0.021	<0.005	0.003	<0.005
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	4	12.215	13.5	14	13.5	13	13	12	11
Manganese	mg/l	<0.005	0.011	0.016	0.005	0.015	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l as N	<0.01	0.30	0.56	NR	NR	1.09	NR	1.13	0.40
Phosphorus-Ortho	mg/l as P	<0.01	0.08	0.06	NR	NR	0.06	NR	0.07	0.08
Phosphorus-Total	mg/l	<0.01	0.15	0.11	NR	NR	0.11	NR	0.09	0.09
Selenium	mg/l	NR	<0.001	0.002	NR	NR	NR	0.001	NR	NR
Sodium	mg/l	3	20.975	65.5	66.5	62.5	57.5	57	54	43
Specific Conductance	µS/cm	86	268	535	537	516	471	462	462	382
Sulfate	mg/l	<1	13	27	26	27	26	25	26	22
Total Dissolved Solids	mg/l	52	152.25	275.75	282	276	253.5	248.5	240.5	201
Turbidity	NTU	2	36.23888889	7	20.675	7.2	11.55	9.85	11.35	2
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0

mg/l milligrams per liter

C = Carbon

µg/l micrograms per liter

N = Nitrogen

µS/cm microSiemens per centimeter

P = Phosphorus

NR - Not Reported

CaCO<sub>3</sub> = Calcium carbonate

NTU - nephelometric turbidity units

**Table 33. Water Quality At Selected Delta Stations**

**October 2000**

Date	Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in millSiemens/cm									Cl in mg/l	
	(Antioch) Daily Mean		Net Delta Outflow Index	Rio Vista	Antioch	Chipps Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal		
	Mean Daily	Monthly Average					md	md	md	14dm					
	Hi	Half												md	
1	2.40	0.97	2,900	2,900	7,871	3.77	9.09	1.17	1.03	1.24	1.12	0.38	0.63	0.40	103
2	2.40	1.71	3,333	3,117	7,959	4.39	11.10	1.39	1.09	1.36	1.16	0.37	0.64	0.43	113
3	2.45	1.52	3,976	3,403	7,903	4.26	10.09	1.28	1.13	1.39	1.19	0.41	0.67	0.42	110
4	2.55	1.62	3,628	3,459	7,808	4.23	10.57	1.18	1.13	1.45	1.21	0.41	0.67	0.41	110
5	2.64	1.36	3,708	3,509	7,724	4.09	9.98	0.89	1.08	1.40	1.21	0.42	0.67	0.41	115
6	2.86	1.43	4,221	3,628	7,112	4.09	10.47	1.12	1.08	1.44	1.23	0.42	0.65	0.38	105
7	2.75	1.40	3,556	3,617	7,283	4.22	10.48	1.21	1.10	1.42	1.25	0.41	0.66	0.36	112
8	2.75	1.17	4,315	3,705	7,249	3.79	10.02	0.95	1.10	1.31	1.27	0.43	0.70	0.36	113
9	2.60	1.06	4,371	3,779	6,941	3.85	9.67	1.00	1.11	1.30	1.29	0.43	0.69	0.36	114
10	2.68	1.12	4,158	3,817	7,226	3.77	9.35	1.00	1.10	1.30	1.30	0.43	0.66	0.35	122
11	2.54	0.96	5,980	4,013	7,799	3.58	8.71	0.88	1.08	1.20	1.31	0.48	0.66	0.40	128
12	2.36	0.75	6,290	4,203	8,585	3.30	8.24	0.78	1.06	1.09	1.30	0.49	0.67	0.40	126
13	2.42	0.66	6,268	4,362	8,607	3.02	8.09	0.81	1.05	1.05	1.29	0.51	0.66	0.41	139
14	2.69	0.79	6,728	4,531	8,640	3.16	8.59	0.96	1.04	1.11	1.29	0.50	0.63	0.41	140
15	2.85	0.91	6,620	4,670	8,636	3.34	9.25	1.01	1.03	1.12	1.28	0.50	0.63	0.41	143
16	2.82	0.81	4,731	4,674	8,230	3.47	9.04	0.96	1.00	1.11	1.26	0.49	0.64	0.41	152
17	2.89	0.83	3,507	4,605	8,033	3.68	8.81	1.07	0.99	1.17	1.25	0.49	0.65	0.41	145
18	2.96	0.96	3,773	4,559	7,985	3.66	10.07	1.21	0.99	1.22	1.23	0.49	0.64	0.42	138
19	2.79	1.01	4,717	4,567	7,936	3.52	8.96	1.08	1.00	1.22	1.22	0.48	0.65	0.46	139
20	2.81	1.03	4,140	4,546	7,418	3.63	9.93	1.21	1.01	1.21	1.20	0.49	0.66	0.47	137
21	2.35	0.82	3,832	4,512	8,006	3.29	8.91	0.69	0.97	1.19	1.19	0.49	0.69	0.46	136
22	2.24	0.47	4,926	4,531	7,382	2.65	7.02	0.37	0.93	1.07	1.17	0.48	0.71	0.49	131
23	2.24	0.52	4,089	4,512	6,802	2.93	8.25	0.69	0.91	1.17	1.16	0.45	0.68	0.47	127
24	2.27	0.65	3,427	4,466	6,836	3.16	9.10	1.05	0.91	1.21	1.15	0.45	0.73	0.44	126
25	2.68	0.87	4,093	4,451	6,625	3.94	10.39	1.29	0.94	1.34	1.16	0.47	0.71	0.44	117
26	2.85	0.98	3,587	4,418	6,995	4.27	10.67	1.42	0.99	1.37	1.18	0.46	0.75	0.46	120
27	2.93	0.95	8,077	4,554	8,402	4.33	10.73	1.31	1.02	1.33	1.20	0.46	0.59	0.45	123
28	3.31	1.14	9,735	4,739	8,903	4.83	11.32	1.66	1.07	1.47	1.23	0.46	0.58	0.44	127
29	3.11	1.18	12,232	4,997	11,363	4.85	11.05	1.36	1.10	1.48	1.25	0.45	0.65	0.43	124
30	2.90	1.07	15,868	5,360	12,502	4.49	9.94	1.14	1.11	1.45	1.28	0.46	0.64	0.44	125
31	2.69	0.90	17,037	5,736	13,236	3.80	9.19	0.74	1.09	1.37	1.29	0.46	0.65	0.43	125

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio > dm = Daily Mean

s = Balanced water conditions with storage withdraw md = Mean Daily

**Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP**

**October 2000**

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	September 20, 2000	None detected	---
California Aqueduct At Banks Pumping Plant	October 18, 2000	Methyl tert-butyl ether (MTBE)	1.7
Delta Mendota Canal At McCabe Road	September 20, 2000	2,4-Dichlorophenylacetic acid (DCAA) Methyl tert-butyl ether (MTBE)	0.43 1.10
California Aqueduct Near Kettleman City (Check 21)	September 19, 2000	2,4-Dichlorophenylacetic acid (DCAA)	0.363
California Aqueduct At Tehachapi Afterbay (Check 41)	September 20, 2000	2,4-Dichlorophenylacetic acid (DCAA)	0.49
Devil Canyon Power Plant At Entrance To Santa Ana Pipeline	September 05, 2000 September 13, 2000 September 20, 2000	Methyl tert-butyl ether (MTBE) Methyl tert-butyl ether (MTBE) Methyl tert-butyl ether (MTBE) 2,4-Dichlorophenylacetic acid (DCAA)	2.10 1.8 2.40 0.51

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

**Table 35. Oroville and Delta Field Divisions Energy Data**

(in kWh)

**October 2000**

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant
	Generation	Load	Load	Load	Total Load	SWP Load	Load	Load
1	712,512	9,792	47,026	37,800	3,393,600	3,393,600	144,945	201
2	5,721,696	271,872	42,084	34,440	2,289,792	2,289,792	145,205	192
3	5,951,232	1,876,320	36,141	27,608	2,832,960	2,832,960	188,780	195
4	6,227,136	1,910,016	42,847	35,392	2,906,880	2,906,880	213,960	188
5	5,886,432	1,877,760	40,936	35,924	2,820,864	2,820,864	221,635	191
6	6,896,448	1,633,248	39,620	34,930	2,609,856	2,609,856	210,795	189
7	3,837,888	4,896	40,453	34,076	2,611,392	2,611,392	208,530	187
8	107,712	12,672	39,354	32,116	2,237,952	2,237,952	189,600	194
9	5,696,640	1,283,616	32,277	25,053	1,832,448	1,832,448	184,090	184
10	6,591,744	1,636,128	34,426	27,468	1,817,472	1,817,472	141,430	187
11	5,776,128	720,288	32,900	23,114	2,163,840	2,163,840	144,035	190
12	6,242,976	1,771,488	33,117	25,298	2,654,784	2,654,784	140,710	192
13	5,508,000	1,631,808	29,428	25,011	3,283,392	3,283,392	148,075	202
14	3,500,352	4,320	24,738	24,255	2,763,456	2,763,456	139,995	205
15	793,728	6,624	26,089	23,968	2,726,976	2,726,976	136,955	203
16	7,662,816	1,761,696	33,040	30,758	3,274,944	3,274,944	163,065	208
17	7,882,848	1,519,200	26,922	23,443	2,812,992	2,812,992	174,845	210
18	8,500,608	1,797,120	24,752	31,094	2,970,048	2,970,048	172,640	202
19	7,132,896	1,996,704	17,416	21,924	2,766,720	2,766,720	165,820	202
20	5,426,496	1,695,744	18,732	26,257	3,035,328	3,035,328	164,630	195
21	3,803,904	299,520	24,402	31,542	3,019,584	3,019,584	160,985	203
22	648,000	5,744,160	13,342	21,777	2,995,584	2,995,584	156,260	202
23	7,155,648	2,078,496	23,450	32,704	3,006,528	3,006,528	168,690	205
24	7,267,680	1,994,976	25,732	35,056	2,959,680	2,959,680	171,695	200
25	6,236,640	1,950,048	17,822	27,454	2,422,464	2,422,464	168,140	160
26	4,922,208	1,982,016	12,187	21,826	2,533,632	2,031,632	177,940	232
27	7,591,968	1,724,832	15,645	23,051	2,462,784	2,462,784	92,420	202
28	4,378,176	1,695,744	23,457	31,955	2,754,048	2,754,048	75,175	203
29	710,496	5,455,584	5,663	10,745	3,751,680	3,751,680	119,945	215
30	8,048,448	1,723,392	336	378	3,586,944	3,586,944	127,660	227
31	6,152,832	1,806,912	329	371	3,676,800	3,676,800	139,175	243
Total	162,972,288	49,876,992	824,663	816,788	86,975,424	86,473,424	4,957,825	6,209

**Table 36. San Luis Field Division Energy Data**

(in kWh)

**October 2000**

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	1,255,680	1,255,680	0	0	1,169,280	977,280
2	1,130,832	1,130,832	54,144	54,144	1,332,288	660,288
3	1,117,584	1,117,584	331,200	331,200	500,832	500,832
4	857,088	857,088	357,408	357,408	2,606,112	1,368,112
5	1,112,112	1,112,112	478,368	478,368	1,218,528	260,528
6	1,001,808	1,001,808	0	0	1,021,824	785,824
7	1,049,472	1,049,472	0	0	1,315,008	253,008
8	1,042,560	1,042,560	0	0	3,493,152	661,152
9	884,448	884,448	91,584	91,584	1,037,952	211,952
10	980,496	980,496	662,400	662,400	565,056	285,056
11	967,104	967,104	175,968	175,968	1,372,320	112,320
12	1,042,704	1,042,704	110,592	110,592	1,373,472	113,472
13	1,032,912	1,032,912	0	0	2,493,792	225,792
14	903,888	903,888	101,088	101,088	2,047,968	553,968
15	821,232	821,232	0	0	4,768,128	1,168,128
16	844,272	844,272	1,728	1,728	2,145,312	1,455,312
17	1,146,672	1,146,672	66,816	66,816	1,696,320	604,320
18	1,066,320	1,066,320	0	0	3,209,472	1,688,472
19	1,085,328	1,085,328	0	0	1,817,856	296,856
20	1,086,912	1,086,912	0	0	1,861,344	-10,656
21	1,040,832	1,040,832	13,536	13,536	2,728,512	856,512
22	1,209,600	1,209,600	0	0	4,098,528	1,458,528
23	1,008,000	1,008,000	297,504	297,504	2,197,152	-17,848
24	1,219,248	1,219,248	13,536	13,536	1,948,320	-21,680
25	1,125,072	1,125,072	99,936	99,936	2,119,680	-17,320
26	1,012,032	1,012,032	537,984	537,984	2,107,296	-29,704
27	1,042,272	1,042,272	88,416	88,416	2,284,992	147,992
28	1,125,072	1,125,072	358,272	358,272	2,171,232	78,232
29	1,197,504	1,197,504	0	0	4,202,208	233,208
30	987,840	987,840	265,248	265,248	3,085,056	1,223,056
31	954,288	954,288	35,712	35,712	3,537,792	1,332,792
Total	32,351,184	32,351,184	4,141,440	4,141,440	67,526,784	17,415,784

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

**Table 37. San Joaquin Field Division Pumping Plant Energy Load Data**

(in kWh)

**October 2000**

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devils Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	17,084	46,072	50,094	48,024	51,138	1,494,576	1,624,752	3,724,992	13,458,960
2	22,256	59,984	50,940	47,556	50,472	1,256,688	1,391,616	3,130,272	11,337,840
3	19,144	50,968	41,220	40,266	42,750	1,143,648	1,254,168	2,850,624	10,372,320
4	22,772	60,744	50,310	46,746	50,616	1,154,376	1,231,992	2,777,760	9,908,640
5	23,760	63,136	60,138	55,854	59,526	978,120	1,054,296	2,373,984	8,435,520
6	16,218	43,176	52,650	51,390	53,586	1,119,024	1,203,264	2,673,216	9,503,280
7	11,816	30,592	41,202	38,502	41,400	1,099,944	1,184,256	2,682,432	9,637,920
8	8,682	22,176	43,236	41,076	43,884	1,249,992	1,383,696	3,151,296	11,427,120
9	9,654	24,464	49,806	46,512	49,392	973,872	1,053,792	2,378,304	8,489,520
10	11,972	30,704	43,668	40,608	43,686	1,008,648	1,085,904	2,419,776	8,796,240
11	14,622	37,024	37,242	35,586	37,260	1,165,968	1,283,544	2,916,576	10,558,800
12	15,828	42,584	37,692	35,676	38,214	1,174,536	1,249,488	2,809,152	10,180,080
13	11,476	30,992	20,952	18,882	21,618	1,124,064	1,189,440	2,666,016	9,746,640
14	7,090	18,400	21,960	21,150	22,716	1,024,848	1,152,072	2,638,080	9,719,280
15	4,828	11,280	24,372	22,266	24,426	958,824	1,021,248	2,337,408	8,178,480
16	10,314	25,864	39,384	37,440	39,960	1,036,368	1,195,776	2,705,184	10,125,360
17	9,986	26,400	29,502	27,486	29,340	1,270,512	1,347,552	3,076,128	11,152,080
18	10,912	26,840	34,164	32,274	35,028	1,252,368	1,389,168	3,107,232	11,237,040
19	14,128	37,792	31,176	29,124	31,302	1,138,176	1,268,136	2,839,968	10,247,040
20	13,026	33,992	35,136	32,994	35,190	1,266,624	1,409,472	3,178,944	11,336,400
21	11,252	29,184	34,344	32,274	34,776	1,239,048	1,347,048	3,027,744	11,018,880
22	6,998	17,624	34,398	32,472	35,316	1,453,608	1,607,760	3,701,952	13,597,920
23	14,826	38,008	39,294	36,828	39,510	1,343,376	1,533,600	3,440,160	12,543,840
24	14,862	40,504	35,244	32,886	35,964	1,335,528	1,442,160	3,288,672	12,024,000
25	16,178	38,992	47,646	46,368	40,572	1,239,480	1,432,224	3,212,640	11,697,840
26	14,752	42,312	33,372	29,592	40,464	1,271,088	1,365,048	3,063,456	10,924,560
27	12,074	31,304	25,452	24,246	26,766	1,239,192	1,355,472	3,048,192	11,121,840
28	11,842	29,120	51,768	49,194	51,948	1,299,600	1,488,888	3,363,840	12,337,200
29	8,426	21,728	53,100	50,022	53,190	1,814,400	2,013,192	4,599,360	16,682,400
30	10,008	24,760	43,614	40,896	43,920	1,155,456	1,269,432	2,905,056	10,685,520
31	10,132	26,240	53,280	50,940	54,108	1,138,320	1,278,576	2,920,896	10,419,840
Total	406,918	1,062,960	1,246,356	1,175,130	1,258,038	37,420,272	41,107,032	93,009,312	336,902,400

**Table 38. Southern Field Division Energy Data**

(in kWh)

**October 2000**

Date	West Branch			East Branch			
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation
1	605,472	3,240	2,304,000	415,436	2,254,092	2,545,152	245,553
2	685,384	1,563,696	2,400,000	265,860	1,297,212	2,314,080	182,070
3	686,616	1,628,280	2,400,000	206,332	1,075,464	2,632,992	130,620
4	310,184	796,248	2,400,000	333,760	1,511,052	2,851,104	198,828
5	532,784	1,561,752	2,640,000	210,028	1,209,408	2,465,184	131,565
6	536,648	1,186,272	2,880,000	259,308	1,350,348	2,625,888	152,040
7	539,280	1,071,504	2,880,000	250,796	1,284,564	2,539,968	167,076
8	387,464	107,064	2,880,000	415,772	1,981,560	2,634,432	242,466
9	482,776	1,119,024	2,760,000	212,184	1,150,872	2,617,728	152,040
10	478,296	1,073,448	2,760,000	239,288	1,175,280	2,504,928	153,699
11	424,256	1,152,432	2,760,000	354,396	1,463,784	2,477,952	158,109
12	474,432	1,181,592	2,760,000	321,552	1,572,612	2,600,352	211,533
13	528,192	1,182,312	2,760,000	273,224	1,493,736	2,688,096	174,783
14	513,464	1,015,200	2,760,000	283,500	1,232,640	2,826,912	137,424
15	259,000	129,168	2,760,000	318,920	1,418,208	2,854,080	154,749
16	611,968	1,597,392	2,760,000	249,872	1,444,428	2,972,832	176,673
17	721,952	1,398,960	2,760,000	251,720	1,221,444	2,802,720	155,589
18	301,840	623,664	2,760,000	412,216	2,420,412	2,892,864	283,185
19	456,120	1,178,208	2,760,000	292,152	1,590,216	2,658,720	185,409
20	639,576	1,635,408	2,760,000	282,548	1,566,036	2,887,584	180,117
21	734,272	1,527,336	2,760,000	242,900	1,145,004	2,950,368	142,233
22	925,512	1,646,208	2,760,000	307,888	1,499,928	3,132,384	170,961
23	814,520	1,711,368	2,400,000	264,320	1,458,996	3,167,712	187,194
24	815,584	1,689,984	2,400,000	258,860	1,480,332	2,947,104	172,746
25	797,048	1,716,912	2,400,000	251,636	1,253,712	2,971,200	163,254
26	664,608	1,721,520	2,400,000	253,568	1,354,704	2,922,720	171,045
27	800,408	1,290,096	2,400,000	230,216	1,278,588	3,269,376	163,758
28	674,464	1,723,608	2,400,000	348,012	1,584,792	2,533,536	176,190
29	830,984	1,893,240	2,500,000	442,400	2,557,476	2,124,960	301,287
30	733,544	1,813,968	2,400,000	222,852	1,352,760	2,645,088	184,611
31	590,072	1,316,304	2,400,000	262,472	1,421,112	2,355,648	160,545
Total	18,556,720	39,255,408	81,124,000	8,933,988	46,100,772	84,413,664	5,567,352